

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐  
(highlight changes)

<b>APPLICATION FOR PERMIT TO DRILL</b>		5. MINERAL LEASE NO: ML-22794	6. SURFACE: State
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>		7. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
B. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER _____ SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>		8. UNIT or CA AGREEMENT NAME:	
2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE L.P.		9. WELL NAME and NUMBER: STATE 1021-31M	
3. ADDRESS OF OPERATOR: 1368 S 1200 E CITY VERNAL STATE UT ZIP 84078		PHONE NUMBER: (435) 781-7024	10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 576'FSL, 647'FWL LOT 4 AT PROPOSED PRODUCING ZONE:		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSW 31 10S 21E	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 15.9 MILES SOUTH OF OURAY, UTAH		12. COUNTY: UINTAH	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 576'	16. NUMBER OF ACRES IN LEASE: 643.12	17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40.00	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) REFER TO TOPO C	19. PROPOSED DEPTH: 9,240	20. BOND DESCRIPTION: RLB0005237	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5360'GL	22. APPROXIMATE DATE WORK WILL START:	23. ESTIMATED DURATION:	

24. **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
12 1/4"	9 5/8 H-40 32.3#	1,800	265 SX CLASS G 1.18 YIELD 15.6 PPG
7 7/8"	4 1/2 I-80 11.6#	9,240	1960 SX 50/50 POZ 1.31 YIELD 14.3 PPG

25. **ATTACHMENTS**

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER     | <input checked="" type="checkbox"/> COMPLETE DRILLING PLAN                                   |
| <input checked="" type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER | <input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER |

NAME (PLEASE PRINT) SHEILA UPCHEGO

TITLE SENIOR LAND ADMIN SPECIALIST

SIGNATURE

DATE 3/13/2007

(This space for State use only)

API NUMBER ASSIGNED:

43-047-39112

APPROVAL:

Date: 06-12-07  
By: [Signature]

(See Instructions on Reverse Side)

RECEIVED  
MAR 16 2007

DIV. OF OIL, GAS & MINING

R  
22  
E

T10S, R21E, S.L.B.&M.

N89°00'37"W - 5357.81' (Meas.)

N00°03'32"E  
1313.03' (Meas.)

Brass Cap, Flush W/  
Pile of Stones

Lot 1

1/2" Rebar 0.6'  
High, Pile of  
Stones, Set Stone

N00°06'01"W  
1430.26' (Meas.)

Set Marked  
Stone

Lot 2

N00°05'08"W - 2660.75' (Meas.)

Brass Cap

Lot 3

Lot 4

STATE #1021-31M  
Elev. Ungraded Ground = 5360'

647'

576'

Set Marked Stone,  
Scattered Stones

Set Marked Stone,  
Scattered Stones

Set Marked  
Stone, Pile  
of Stones

1991 Alum. Cap,  
1.3' High, Pile of  
Stones

T10S

T11S

1977 Brass Cap,  
Flush With Pile  
of Stones

Sec. 6

S89°43'43"W  
1332.86' (Meas.)

S89°45'55"W  
1329.59' (Meas.)

S89°55'19"W  
1325.27' (Meas.)

N89°08'48"W  
1328.55' (Meas.)

Sec. 5

LEGEND:

└─┘ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

(NAD 83)

LATITUDE = 39°53'53.66" (39.898239)

LONGITUDE = 109°36'06.19" (109.601719)

(NAD 27)

LATITUDE = 39°53'53.78" (39.898272)

LONGITUDE = 109°36'03.71" (109.601031)

Kerr-McGee Oil & Gas Onshore LP

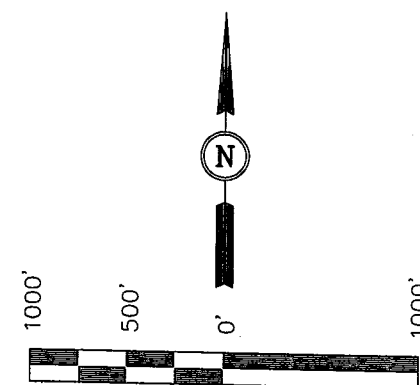
Well location, STATE #1021-31M, located as shown in Lot 4 of Section 31, T10S, R21E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.

BASIS OF BEARINGS

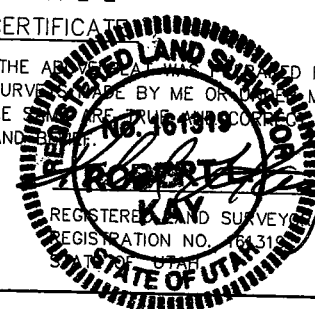
BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



SCALE

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE SURVEY WAS MADE FROM FIELD NOTES OF ACTUAL SURVEY MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



UNTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078

(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 12-26-06	DATE DRAWN: 12-28-06
PARTY G.S. R.W. K.G.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE Kerr-McGee Oil & Gas Onshore LP	

**STATE 1021-31M  
SW/SW SEC. 31, T10S, R21E  
UINTAH COUNTY, UTAH  
ML-22794**

**ONSHORE ORDER NO. 1**

***DRILLING PROGRAM***

**1. Estimated Tops of Important Geologic Markers:**

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	959'
Top of Birds Nest Water	1209'
Mahogany	1727'
Wasatch	4151'
Mesaverde	7078'
MVU2	8101'
MVL1	8615'
TD	9240'

**2. Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:**

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
Water	Green River	959'
	Top of Birds Nest Water	1209'
	Mahogany	1727'
Gas	Wasatch	4151'
Gas	Mesaverde	7078'
Gas	MVU2	8101'
Gas	MVL1	8615'
Water	N/A	
Other Minerals	N/A	

**3. Pressure Control Equipment (Schematic Attached)**

*Please refer to the attached Drilling Program.*

**4. Proposed Casing & Cementing Program:**

*Please refer to the attached Drilling Program.*

**5. Drilling Fluids Program:**

*Please refer to the attached Drilling Program.*

**6. Evaluation Program:**

*Please refer to the attached Drilling Program.*

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 9240' TD, approximately equals 5729 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3696 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

*Drilling is planned to commence immediately upon approval of this application.*

9. **Variances:**

*Please refer to the attached Drilling Program.*

10. **Other Information:**

*Please refer to the attached Drilling Program.*





# KERR-McGEE OIL & GAS ONSHORE LP DRILLING PROGRAM

COMPANY NAME KERR-McGEE OIL & GAS ONSHORE LP DATE March 12, 2007  
WELL NAME STATE 1021-31M TD 9,240' MD/TVD  
FIELD Natural Buttes COUNTY Uintah STATE Utah ELEVATION 5,360' GL KB 5,375'  
SURFACE LOCATION SW/SW, LOT 4, SEC. 31, T10S, R21E 576'FSL, 647'FWL BHL Straight Hole  
Latitude: 39.898239 Longitude: 109.601719  
OBJECTIVE ZONE(S) Wasatch/Mesaverde  
ADDITIONAL INFO Regulatory Agencies: UDOGM (SURF & MINERALS), Tri-County Health Dept.

GEOLOGICAL			MECHANICAL		
LOGS	FORMATION	DEPTH	HOLE SIZE	CASING SIZE	MUD WEIGHT
		40'		14"	
			12-1/4"	9-5/8", 32.3#, H-40, STC	Air mist
Catch water sample, if possible, from 0 to 4,151'					
	Green River @	0,959'			
	Top of Birds Nest Water @	1209'			
	Mahogany @	1,727'			
	Preset f/ GL @				
	1,800' MD				
Note: 12.25" surface hole will usually be drilled ±400' below the bottom of lost circulation zone. Drilled depth may be ±200' of the estimated set depth depending on the actual depth of the loss zone.					
Mud logging program TBD					
Open hole logging program f/ TD - surf csg					
	Wasatch @	4,151'	7-7/8"	4-1/2", 11.6#, I-80 or equivalent LTC casing	Water/Fresh Water Mud 8.3-11.5 ppg
	Mverde @	7,078'			
	MVU2 @	8,101'			
	MVL1 @	8,615'			
					Max anticipated Mud required 11.5 ppg
		TD @ 9,240'			



# KERR-McGEE OIL & GAS ONSHORE LP DRILLING PROGRAM

## CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'				2270	1370	254000
SURFACE	9-5/8"	0 to 1800	32.30	H-40	STC	0.65*****	1.63	4.99
						7780	6350	201000
PRODUCTION	4-1/2"	0 to 9240	11.60	I-80	LTC	2.23	1.15	2.15

- 1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point))  
 2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)  
 (Burst Assumptions: TD = 11.5 ppg) .22 psi/ft = gradient for partially evac wellbore  
 (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing\*Buoy.Fact. of water)  
 MASP 3493 psi

\*\*\*\*\* Burst SF is low but csg is much stronger than formation at 2000'. EMW @ 2000' for 2270# is 21.8 ppg or 1.13 psi/ft

## CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
Option 1	TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	50		15.60	1.18
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE	Option 2		<b>NOTE: If well will circulate water to surface, option 2 will be utilized</b>				
	LEAD	1500	Prem cmt + 16% Gel + 10 pps gilsonite + .25 pps Flocele + 3% salt BWOC	170	35%	11.00	3.82
	TAIL	500	Premium cmt + 2% CaCl + .25 pps flocele	180	35%	15.60	1.18
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	3,650'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	400	60%	11.00	3.38
	TAIL	5,590'	50/50 Poz/G + 10% salt + 2% gel +.1% R-3	1560	60%	14.30	1.31

\*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

\*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

## FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

## ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER:

Brad Laney

DATE: \_\_\_\_\_

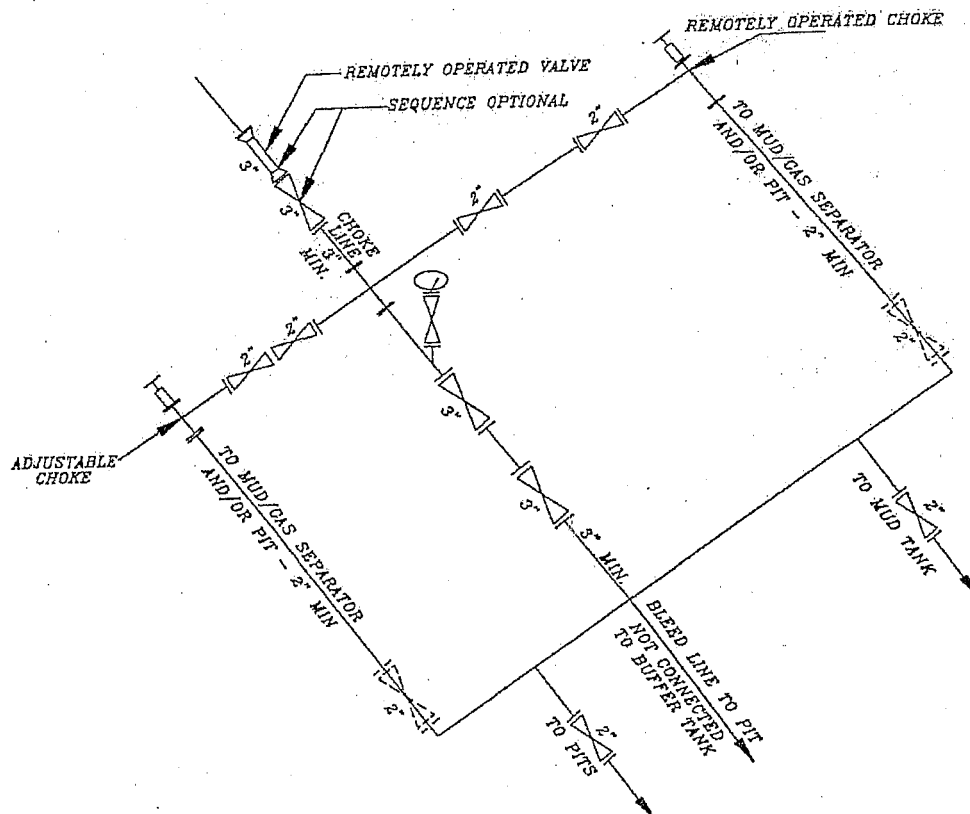
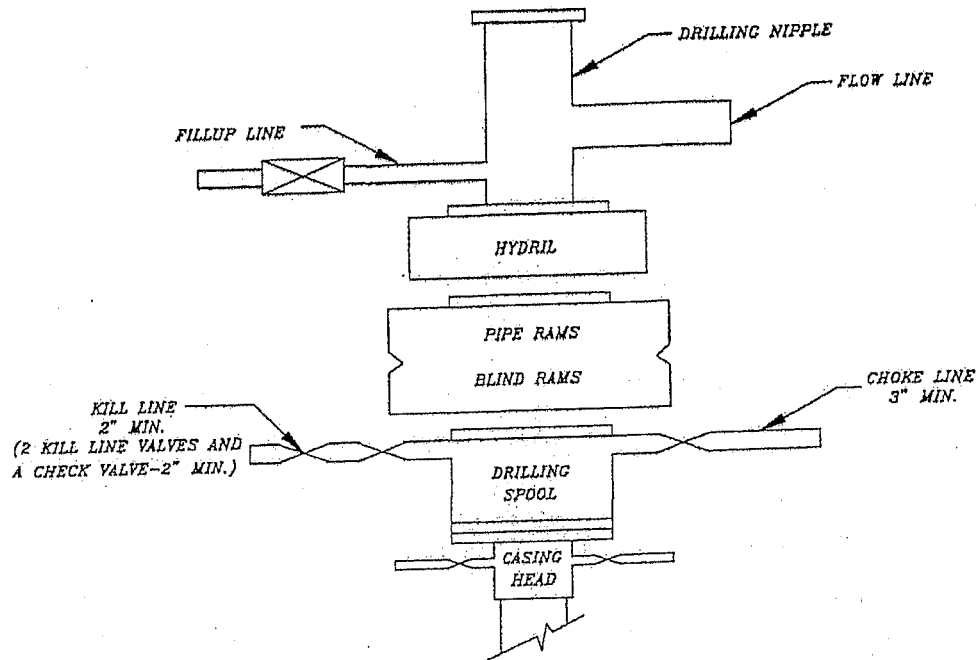
DRILLING SUPERINTENDENT:

Randy Bayne

STATE1021-31M DHD.xls

DATE: \_\_\_\_\_

# 5M BOP STACK and CHOKE MANIFOLD SYSTEM



**STATE 1021-31M  
SW/SW SEC. 31, T10S, R21E  
Uintah County, UT  
ML-22794**

**ONSHORE ORDER NO. 1**

***MULTI-POINT SURFACE USE & OPERATIONS PLAN***

**1. Existing Roads:**

Refer to Topo Map A for directions to the location.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

Refer to Topo Maps A and B for location of access roads within a 2 mile radius.

All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.

**2. Planned Access Roads:**

Approximately 40' +/- of new access road is proposed. Refer to Topo Map B for the location of the proposed access road.

Approximately 0.1 +/- miles of an existin 2-track roads needs upgraded. Refer to Topo Map B.

The upgraded and new portions of the access road will be crowned and ditched with a running surface of 18 feet and a maximum disturbed width of 30 feet. Appropriate water control will be installed to control erosion.

***Existence of pipelines; maximum grade; turnouts; major cut and fills, culverts, or bridges; gates, cattle guards, fence cuts, or modifications to existing facilities were determined at the on-site.***

The access road was centerline flagged during time of staking.

Surfacing material may be necessary, depending upon weather conditions.

Surface disturbance and vehicular traffic will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.

**3. Location of Existing Wells Within a 1-Mile Radius:**

Please refer to Topo Map C.

**4. Location of Existing & Proposed Facilities:**

*The following guidelines will apply if the well is productive.*

All production facilities will be located on the disturbed portion of the well pad and at a minimum of 25 feet from the toe of the back slope or the top of the fill slope.

A dike will be constructed completely around those production facilities which contain fluids (i.e., production tanks, produced water tanks, and/or heater/treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

All permanent (on-site six months or longer) above the ground structures constructed or installed, including pumping units, will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the five state Rocky Mountain Inter-Agency Committee.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The required color is Carlsbad Canyon, standard color number 2.5Y 6/2.

Any necessary pits will be properly fenced to protect livestock and prevent wildlife entry.

Approximately 1207' +/- of 4" steel pipeline is proposed from the location to an tie-in point. Refer to Topo Map D.

**5. Location and Type of Water Supply:**

Water for drilling purposes will be obtained from Dalbo Inc.'s underground well located in Ouray, Utah, Sec. 32, T4S, R3E, Water User Claim #43-8496, Application #53617.

Water will be hauled to location over the roads marked on Maps A and B.

No water well is to be drilled on this lease.

**6. Source of Construction Materials:**

Surface and subsoil materials in the immediate area will be utilized.

Any gravel will be obtained from a commercial source.

**7. Methods of Handling Waste Materials:**

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids, including salts and chemicals, will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within 120 days after drilling is terminated.

The reserve pit will be constructed on the location and will not be located within natural drainage, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, break, or allow discharge of liquids.

A plastic reinforced liner and felt will be used, it will be a minimum of 20 mil thick, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with

dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will be disposed of in the pit.

Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

A chemical porta-toilet will be furnished with the drilling rig.

Garbage, trash, and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. No trash will be burned on location.

All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

Any produced water from the proposed well will be contained in a water tank and will then be hauled By truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S, R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E.

**8. Ancillary Facilities:**

None are anticipated.

**9. Well Site Layout: (See Location Layout Diagram)**

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

The reserve pit will be lined, and when the reserve pit is closed, the pit liner will be buried below plow depth.

All pits will be fenced according to the following minimum standards:

39 inch net wire will be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.

The net wire shall be no more than two inches above the ground. The barbed wire shall be three inches over the net wire. Total height of the fence shall be at least 42 inches.

Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet.

All wire shall be stretched, by using a stretching device, before it is attached to corner posts.

The reserve pit fencing will be on three sides during drilling operations, and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

Location size may change prior to the drilling of the well due to current rig availability. If the proposed location is not large enough to accommodate the drilling rig the location will be re-surveyed and a Form 9 shall be submitted.

**10. Plans for Reclamation of the Surface:**

*Producing Location:*

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production.

Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1.

A plastic, nylon reinforced liner will be used, it shall be torn and perforated before backfilling of the reserve pit.

Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion, weather permitting.

To prevent surface water (s) from standing (ponding) on the reclaimed reserve pit area, final reclamation of the reserve pit will consist of "mounding" the surface three feet above surrounding ground surface to allow the reclaimed pit area to drain effectively.

Upon completion of backfilling, leveling, and recontouring, the stockpiled topsoil will be spread evenly over the reclaimed area(s).

*Dry Hole/Abandoned Location:*

Abandoned well sites, roads, and other disturbed areas will be restored as near as practical to their original condition. Where applicable, these conditions include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions, and re-establishment of vegetation as specified.

All disturbed surfaces will be recontoured to the approximate natural contours, with reclamation of the well pad and access road to be performed as soon as practical after final abandonment.

Reseeding operations will be performed after completion of other reclamation operations.

**11. Surface Ownership:**

SITLA  
675 East 500 South, Suite 500  
Salt Lake City, UT 84102

**12. Other Information:**

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, the approved Plan of Operations, and any applicable Notice of Lessees. The Operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

The Operator will control noxious weeds along Rights-Of-Way for roads, pipelines, well sites, or other applicable facilities.

A Class III archaeological survey will be submitted when report becomes available.

This location is not within 460' from the boundary of the Natural Buttes Unit, nor is it within 460' of any non-committed tract lying within the boundaries of the Unit.

**13. Lessee's or Operators's Representative & Certification:**

Sheila Upchego  
Senior Land Admin Specialist  
Kerr-McGee Oil & Gas Onshore LP  
1368 South 1200 East.  
Vernal, UT 84078  
(435) 781-7024

Randy Bayne  
Drilling Manager  
Kerr-McGee Oil & Gas Onshore LP  
1368 South 1200 East  
Vernal, UT 84078  
(435)781-7018

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under terms and conditions of the lease for the operations conducted upon leased lands.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by State Surety Bond #RLB0005237.



I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

  
Sheila Upchego

3/13/2007  
Date

# Kerr-McGee Oil & Gas Onshore LP

STATE #1021-31M

SECTION 31, T10S, R21E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 15.6 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING 2-TRACK TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE SOUTHWEST; FOLLOW ROAD FLAGS IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 40' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 46.9 MILES.

# Kerr-McGee Oil & Gas Onshore LP

STATE #1021-31M

LOCATED IN UINTAH COUNTY, UTAH  
SECTION 31, T10S, R21E, S.L.B.&M.



PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHEASTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHERLY



- Since 1964 -

**UELS** Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

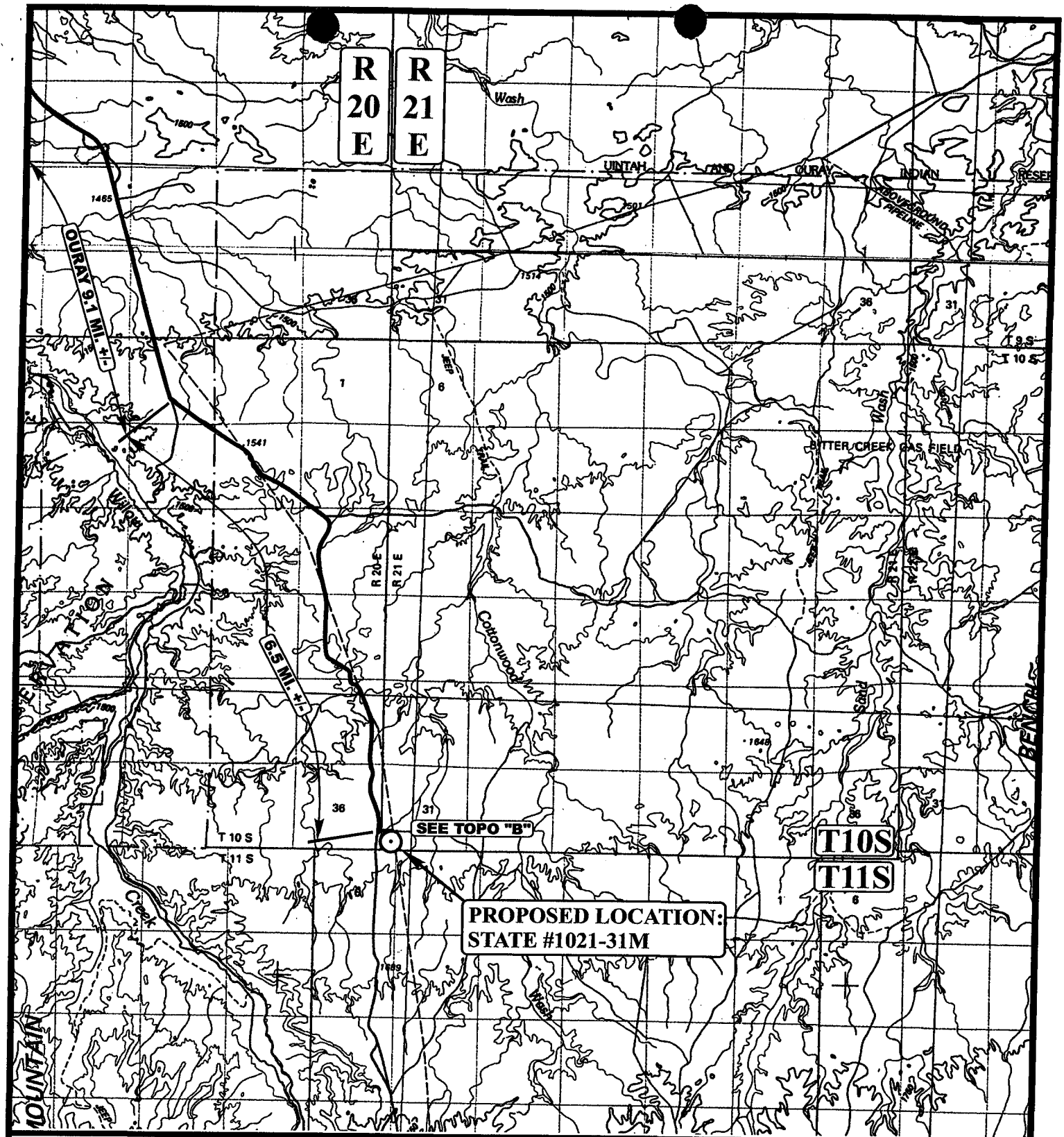
12 28 06  
MONTH DAY YEAR

PHOTO

TAKEN BY: G.S.

DRAWN BY: B.C.

REVISED: 00-00-00



# **LEGEND:**

○ PROPOSED LOCATION



**Uintah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813



**Kerr-McGee Oil & Gas Onshore LP**

**STATE #1021-31M**  
**SECTION 31, T10S, R21E, S.L.B.&M.**  
**576' FSL 647' FWL**

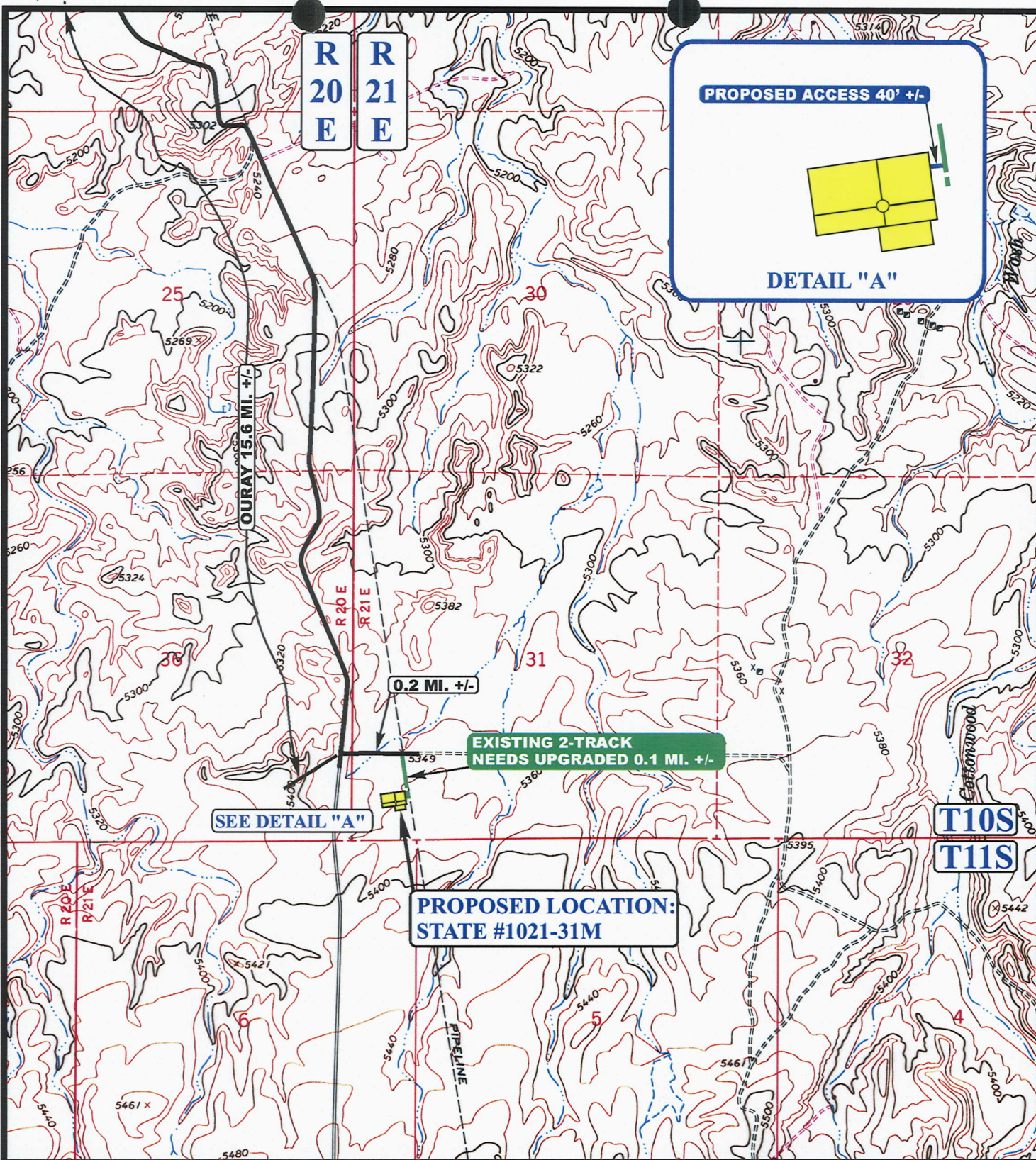
**TOPOGRAPHIC**  
**MAP**

**12 28 06**  
MONTH DAY YEAR

**SCALE: 1:100,000** **DRAWN BY: B.C.** **REVISED: 00-00-00**







# LEGEND:

- EXISTING ROAD
- PROPOSED ACCESS ROAD
- EXISTING 2-TRACK NEEDS UPGRADED



Kerr-McGee Oil & Gas Onshore LP

**STATE #1021-31M**  
**SECTION 31, T10S, R21E, S.L.B.&M.**  
**576' FSL 647' FWL**



**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
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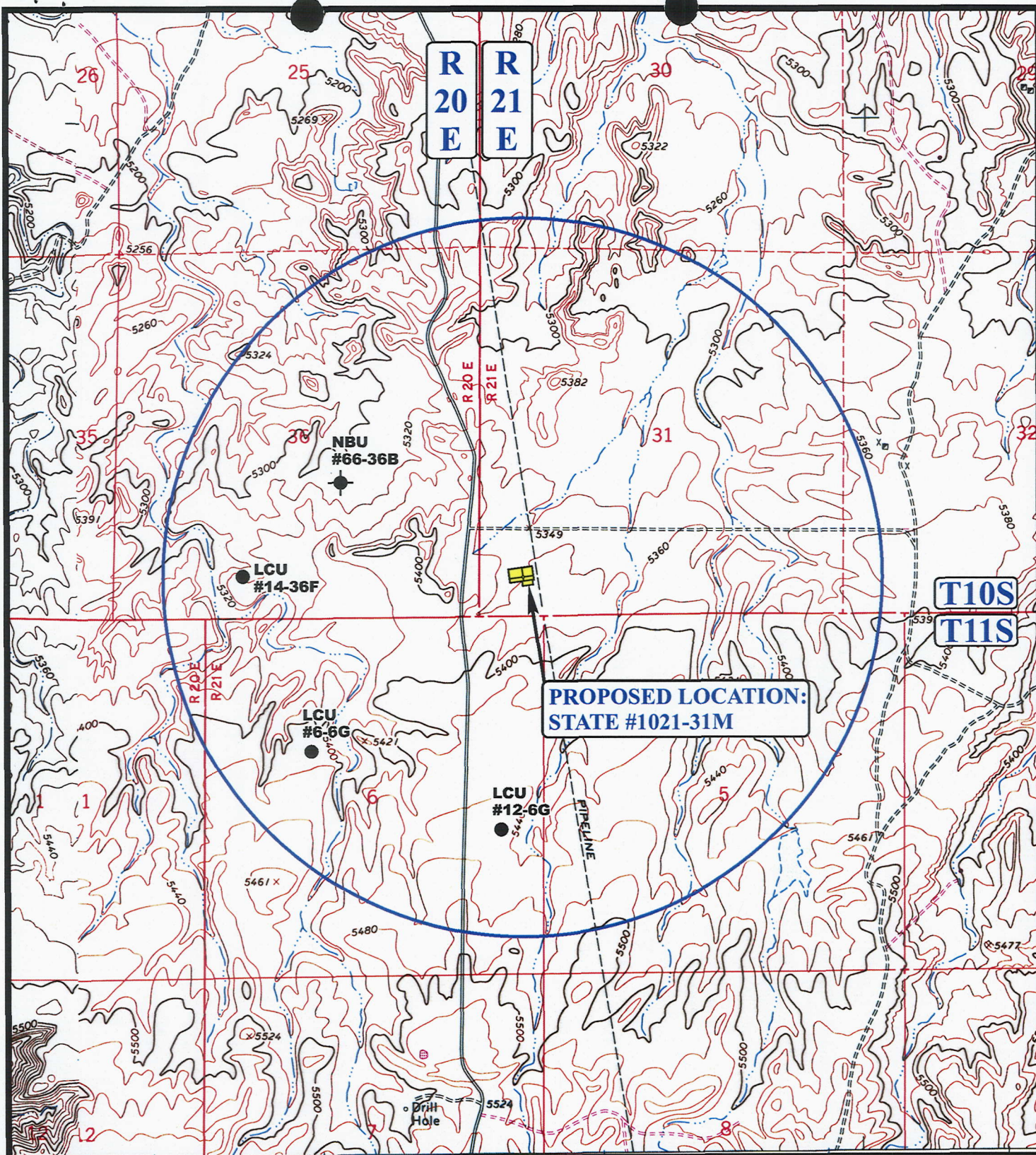
**TOPOGRAPHIC**  
**MAP**

**12 28 06**  
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: B.C. REVISED: 00-00-00







# LEGEND:

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED



Kerr-McGee Oil & Gas Onshore LP

STATE #1021-31M  
SECTION 31, T10S, R21E, S.L.B.&M.  
576' FSL 647' FWL



Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

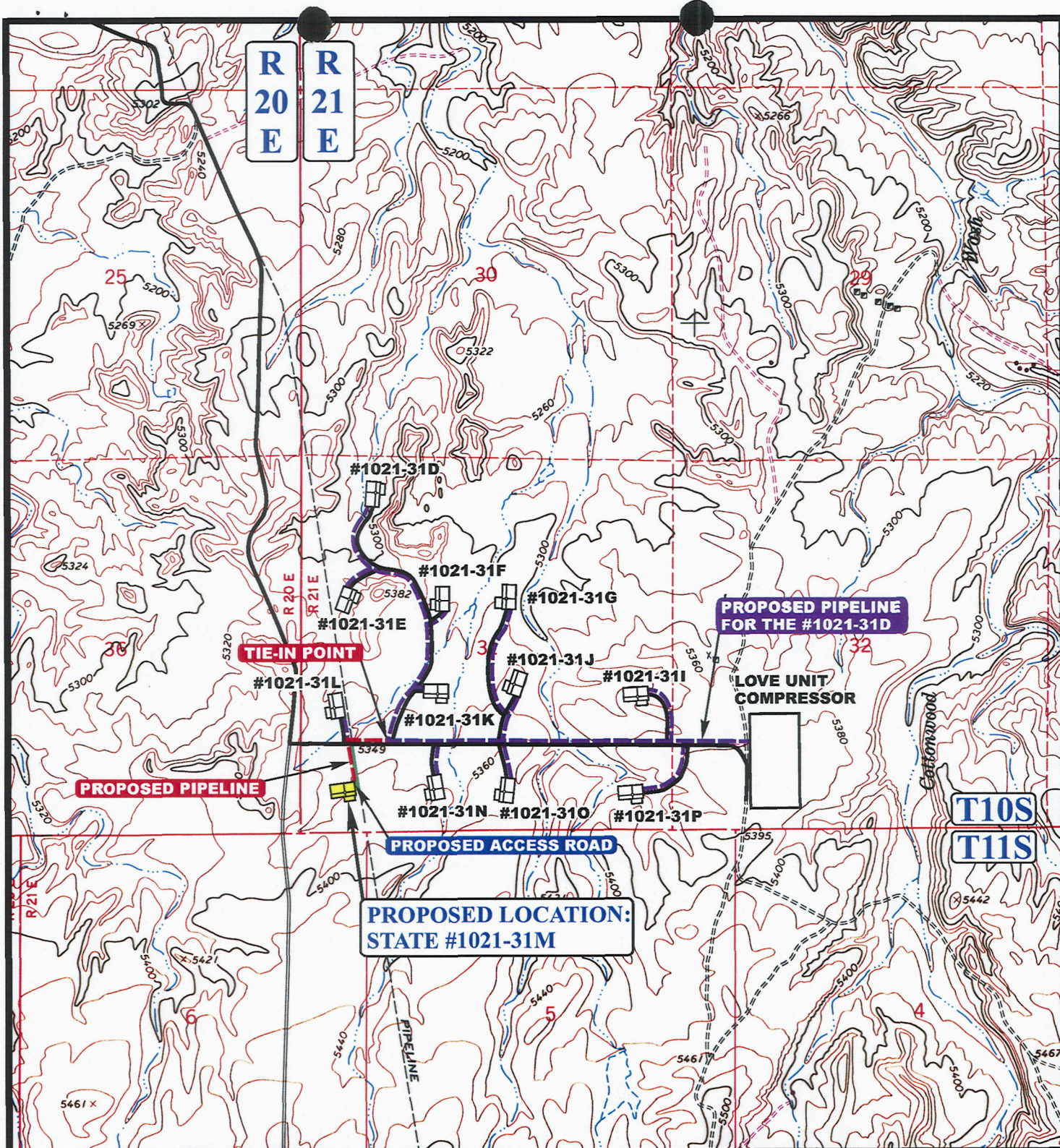
TOPOGRAPHIC  
MAP

12 28 06  
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: B.C. REVISED: 00-00-00







APPROXIMATE TOTAL PIPELINE DISTANCE = 1,207' +/-

# LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- PROPOSED PIPELINE
- PROPOSED PIPELINE (SERVICING OTHER WELLS)



Kerr-McGee Oil & Gas Onshore LP

STATE #1021-31M  
SECTION 31, T10S, R21E, S.L.B.&M.  
576' FSL 647' FWL



Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

TOPOGRAPHIC MAP  
12 28 06  
MONTH DAY YEAR  
SCALE: 1" = 2000' DRAWN BY: B.C. REVISED: 00-00-00





# Kerr-McGee Oil & Gas Onshore LP

STATE #1021-31M

PIPELINE ALIGNMENT

LOCATED IN UINTAH COUNTY, UTAH

SECTION 31, T10S, R21E, S.L.B.&M.



PHOTO: VIEW FROM TIE-IN POINT

CAMERA ANGLE: WESTERLY



PHOTO: VIEW OF PIPELINE ALIGNMENT

CAMERA ANGLE: NORTHERLY



- Since 1964 -

**U  
E  
L  
S**

Uintah Engineering & Land Surveying

85 South 200 East Vernal, Utah 84078  
435-789-1017 uels@uelsinc.com

PIPELINE PHOTOS

12 28 06  
MONTH DAY YEAR

PHOTO

TAKEN BY: G.S.

DRAWN BY: B.C.

REVISED: 00-00-00

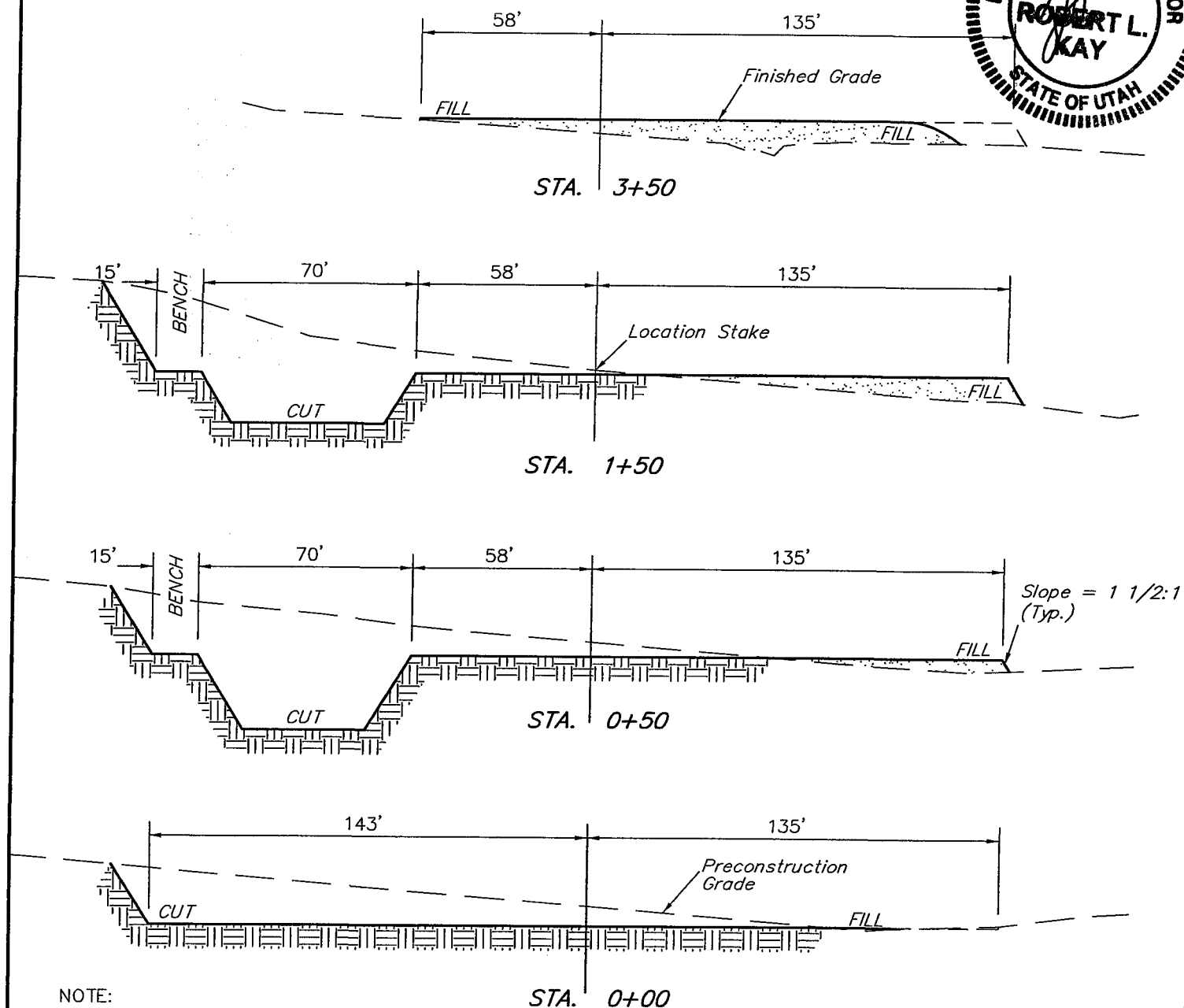
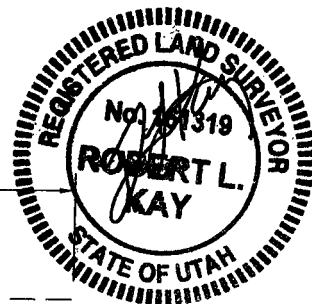




TYPICAL CROSS SECTIONS FOR  
STATE #1021-31M  
SECTION 31, T10S, R21E, S.L.B.&M.  
Lot 4

1" = 20'  
X-Section  
Scale  
1" = 50'

DATE: 12-28-06  
Drawn By: K.G.



NOTE:

Topsoil should not be  
Stripped Below Finished  
Grade on Substructure Area.

\* NOTE:

FILL QUANTITY INCLUDES  
5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT

(6") Topsoil Stripping = 1,720 Cu. Yds.  
Remaining Location = 7,510 Cu. Yds.

TOTAL CUT = 9,230 CU.YDS.

FILL = 4,590 CU.YDS.

EXCESS MATERIAL = 4,640 Cu. Yds.

Topsoil & Pit Backfill = 3,110 Cu. Yds.  
(1/2 Pit Vol.)

EXCESS UNBALANCE = 1,530 Cu. Yds.  
(After Interim Rehabilitation)

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

**WORKSHEET**  
**APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 03/16/2007

API NO. ASSIGNED: 43-047-39112

WELL NAME: STATE 1021-31M

OPERATOR: KERR-MCGEE OIL & GAS ( N2995 )

PHONE NUMBER: 435-781-7024

CONTACT: SHEILA UPCHEGO

PROPOSED LOCATION:

SWSW 31 100S 210E

SURFACE: 0576 FSL 0647 FWL

BOTTOM: 0576 FSL 0647 FWL

COUNTY: Uintah

LATITUDE: 39.89826 LONGITUDE: -109.6010

UTM SURF EASTINGS: 619597 NORTHINGS: 4417192

FIELD NAME: NATURAL BUTTES ( 630 )

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering	DKD	4/30/07
Geology		
Surface		

LEASE TYPE: 3 - State

LEASE NUMBER: ML-22794

PROPOSED FORMATION: WSMVD

SURFACE OWNER: 3 - State

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

- ☒ Plat
- ☒ Bond: Fed[] Ind[] Sta[] Fee[]  
(No. 22013542 )
- ☒ Potash (Y/N)
- ☒ Oil Shale 190-5 (B) or 190-3 or 190-13
- ☒ Water Permit  
(No. 43-8496 )
- ☒ RDCC Review (Y/N)  
(Date: )
- ☒ Fee Surf Agreement (Y/N)
- ☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

- ☐ R649-2-3.
- Unit: \_\_\_\_\_
- ☒ R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells
- ☐ R649-3-3. Exception
- ☐ Drilling Unit  
Board Cause No: \_\_\_\_\_  
Eff Date: \_\_\_\_\_  
Siting: \_\_\_\_\_
- ☐ R649-3-11. Directional Drill

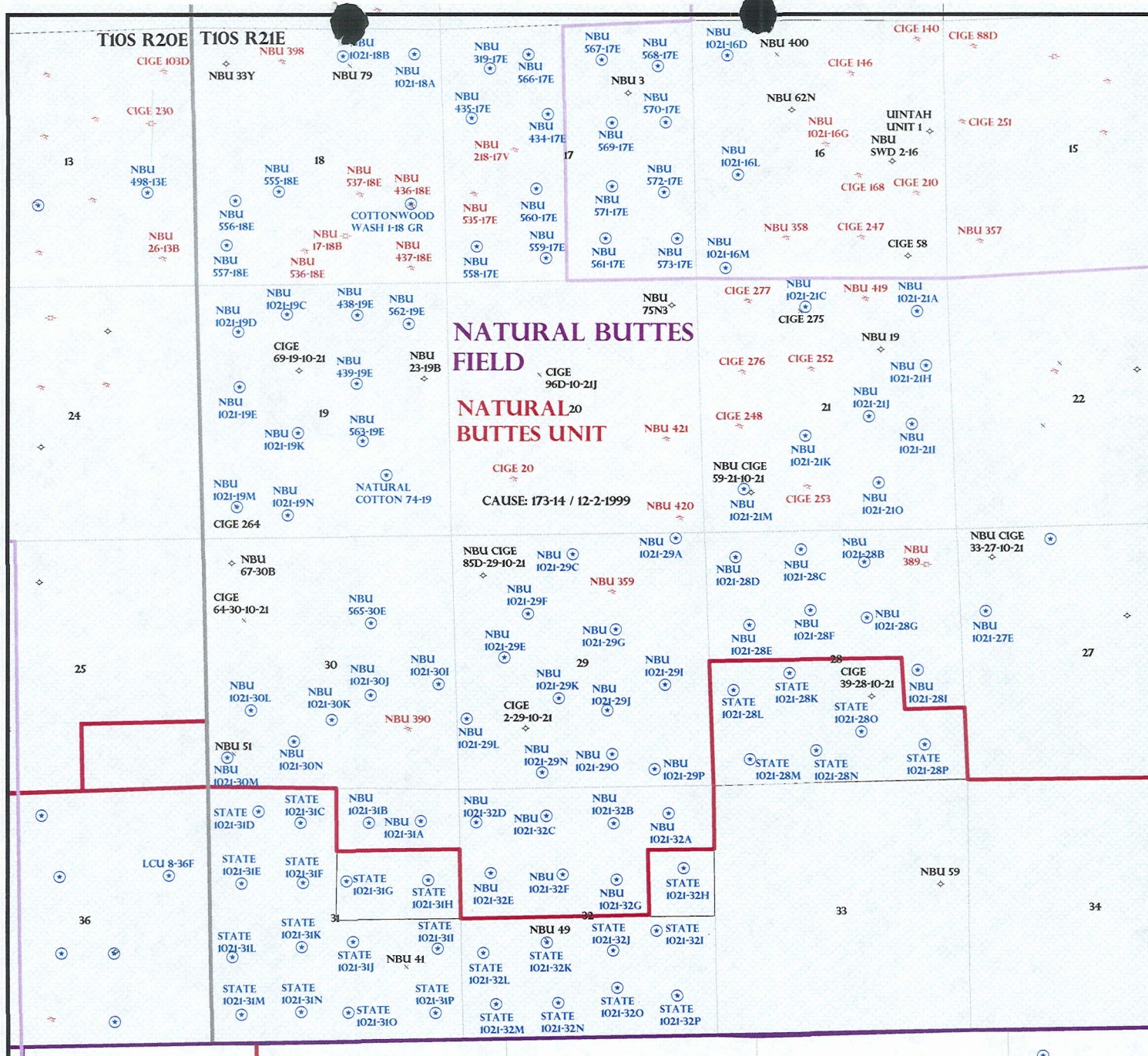
COMMENTS:

Needs Permit (04-05-07)

STIPULATIONS:

- 1- Spacing Strip
- 2- Statement of Basis
- 3- Oil Shale
- 4- Surface Csg Cont Strip





OPERATOR: KERR MCGEE O&G (N9550)

SEC: 28,31,32 T.10S R. 21E

FIELD: NATURAL BUTTES (630)

COUNTY: UINTAH

SPACING: R649-3-2 / GENERAL SITING

**Field Status**  
 [ ] ABANDONED  
 [ ] ACTIVE  
 [ ] COMBINED  
 [ ] INACTIVE  
 [ ] PROPOSED  
 [ ] STORAGE  
 [ ] TERMINATED

**Unit Status**  
 [ ] EXPLORATORY  
 [ ] GAS STORAGE  
 [ ] NF PP OIL  
 [ ] NF SECONDARY  
 [ ] PENDING  
 [ ] PI OIL  
 [ ] PP GAS  
 [ ] PP GEOTHERML  
 [ ] PP OIL  
 [ ] SECONDARY  
 [ ] TERMINATED

**Wells Status**  
 [ ] GAS INJECTION  
 [ ] GAS STORAGE  
 [ ] LOCATION ABANDONED  
 [ ] NEW LOCATION  
 [ ] PLUGGED & ABANDONED  
 [ ] PRODUCING GAS  
 [ ] PRODUCING OIL  
 [ ] SHUT-IN GAS  
 [ ] SHUT-IN OIL  
 [ ] TEMP. ABANDONED  
 [ ] TEST WELL  
 [ ] WATER INJECTION  
 [ ] WATER SUPPLY  
 [ ] WATER DISPOSAL  
 [ ] DRILLING



PREPARED BY: DIANA MASON  
 DATE: 23-MARCH-2007



# Application for Permit to Drill

## Statement of Basis

4/17/2007

Utah Division of Oil, Gas and Mining

Page 1

APD No	API WellNo	Status	Well Type	Surf Ownr	CBM
312	43-047-39112-00-00		GW	S	No
Operator	KERR-MCGEE OIL & GAS ONSHORE, LP	Surface Owner-APD			
Well Name	STATE 1021-31M	Unit			
Field	UNDESIGNATED	Type of Work			
Location	SWSW 31 10S 21E S 576 FSL 647 FWL	GPS Coord (UTM) 619597E 4417192N			

### Geologic Statement of Basis

Kerr McGee proposes to set 1,800' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 3,900'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of Section 31. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. Production casing cement should be brought up above the base of the moderately saline ground water to isolate it from fresher waters uphole.

Brad Hill  
APD Evaluator

4/17/2007  
Date / Time

### Surface Statement of Basis

The general area is within the Love area of Natural Buttes in the upper Cottonwood Wash Drainage. The area is characterized by rolling hills and benches, which are frequently intersected by somewhat gentle draws, which flow into Cottonwood Wash. The draws are occasionally rimmed with steep side hills, which have exposed sand stone bedrock cliffs along the rims. Cottonwood Wash is an ephemeral drainage, which drains northerly approximately 11 miles to the White River. No seeps, springs or streams exist in the area. An occasional pond collecting runoff for livestock and antelope occurs.

This location is approximately 17 miles southeast of Ouray, Utah and is accessed by the Seep Ridge Road then by existing or planned oil field development roads to within 0.1 miles of the proposed site. Up-grading of an existing two-track will be needed from this point.

The proposed location is in a gentle, nearly flat swale that has a slight slope to the east and north. Shallow drainages intersect each end of the location and are planned for diversions. The location is immediately west of a surface 16-inch pipeline. Activity will not interfere with the pipeline. The Love road is approximately 0.1 miles to the north.. The main stem of Cottonwood Wash is about 1.6 miles to the east

Both the surface and minerals are owned by SITLA. Jim Davis represented SITLA at the pre-site investigation. Mr. Davis had no concerns pertaining to this location. The selected location appears to be the best site for drilling and operating a well in the immediate area.

Ben Williams representing the UDWR was not at the pre-site but stated the previous day that all the remaining locations in the area were classified as yearlong critical habitat for antelope. He stated that the lack of water not forage is the limiting factor affecting the herd in the area. He recommended no restrictions for antelope. No other wildlife is expected to be significantly affected. He gave Jim Davis of SITLA and Carroll Estes of Kerr McGee a copy of his wildlife evaluation and a UDWR recommended seed mix to be used when re-vegetating the locations.

ATV's were used to access the site.

---

# Application for Permit to Drill

## Statement of Basis

4/17/2007

Utah Division of Oil, Gas and Mining

Page 2

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Floyd Bartlett  
Onsite Evaluator

4/5/2007  
Date / Time

### Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.

# **ON-SITE PREDRILL EVALUATION**

## **Utah Division of Oil, Gas and Mining**

**Operator** KERR-MCGEE OIL & GAS ONSHORE, LP  
**Well Name** STATE 1021-31M  
**API Number** 43-047-39112-0 **APD No** 312 **Field/Unit** UNDESIGNATED  
**Location:** 1/4,1/4 SWSW **Sec** 31 **Tw** 10S **Rng** 21E 576 FSL 647 FWL  
**GPS Coord (UTM)** 619598 4417195 **Surface Owner**

### **Participants**

Floyd Bartlett (DOGM), Jim Davis (SITLA), Carroll Estes and Tony Keznic (Kerr McGee) and David Kay (Uintah Engineering and Land Surveying)

### **Regional/Local Setting & Topography**

The general area is within the Love area of Natural Buttes in the upper Cottonwood Wash Drainage. The area is characterized by rolling hills and benches, which are frequently intersected by somewhat gentle draws, which flow into Cottonwood Wash. The draws are occasionally rimmed with steep side hills, which have exposed sand stone bedrock cliffs along the rims. Cottonwood Wash is an ephemeral drainage, which drains northerly approximately 11 miles to the White River. No seeps, springs or streams exist in the area. An occasional pond collecting runoff for livestock and antelope occurs.

This location is approximately 17 miles southeast of Ouray, Utah and is accessed by the Seep Ridge Road then by existing or planned oil field development roads to within 0.1 miles of the proposed site. Up-grading of an existing two-track will be needed from this point.

The proposed location is in a gentle, nearly flat swale that has a slight slope to the east and north. Shallow drainages intersect each end of the location and are planned for diversions. The location is immediately west of a surface 16-inch pipeline. Activity will not interfere with the pipeline. The Love road is approximately 0.1 miles to the north.. The main stem of Cottonwood Wash is about 1.6 miles to the east

Both the surface and minerals are owned by SITLA.

### **Surface Use Plan**

#### **Current Surface Use**

Grazing  
Recreational  
Wildlife Habitat

#### **New Road**

Miles	Well Pad	Length	Src Const Material	Surface Formation
0.1	Width 263	350	Onsite	UNTA

**Ancillary Facilities** N

### **Waste Management Plan Adequate?** Y

### **Environmental Parameters**

**Affected Floodplains and/or Wetland** N

#### **Flora / Fauna**

Vegetation is a sparse desert shrub type. Horsebrush, curly mesquite, sagebrush, bud sage, halogeton, prickly pear, and spring annuals are present.

Antelope, cattle, rabbits, coyotes, and small mammals, birds and raptors.

**Soil Type and Characteristics**

Deep sandy loam with no surface rock.

**Erosion Issues** N

**Sedimentation Issues** N

**Site Stability Issues** N

**Drainage Diversion Required** Y

Around both ends of the pad.

**Berm Required?** N

**Erosion Sedimentation Control Required?** N

**Paleo Survey Run?** Y    **Paleo Potential Observed?** N    **Cultural Survey Run?** N    **Cultural Resources?**

**Reserve Pit**

**Site-Specific Factors**

**Site Ranking**

<b>Distance to Groundwater (feet)</b>	>200	0
<b>Distance to Surface Water (feet)</b>	>1000	0
<b>Dist. Nearest Municipal Well (ft)</b>	>5280	0
<b>Distance to Other Wells (feet)</b>	300 to 1320	10
<b>Native Soil Type</b>	Mod permeability	10
<b>Fluid Type</b>	Fresh Water	5
<b>Drill Cuttings</b>	Normal Rock	0
<b>Annual Precipitation (inches)</b>	<10	0
<b>Affected Populations</b>	<10	0
<b>Presence Nearby Utility Conduits</b>	Not Present	0

**Final Score** 25    1    **Sensitivity Level**

**Characteristics / Requirements**

The proposed reserve pit is 100' x 150' x 10' deep located in a cut on the southeast corner of the location. A 20 mil liner with a felt sub-liner is planned by Kerr McGee.

**Closed Loop Mud Required?** N    **Liner Required?** Y    **Liner Thickness** 16    **Pit Underlayment Required?** Y

**Other Observations / Comments**

Ben Williams representing the UDWR was not at the pre-site but stated the previous day that all the remaining locations in the area were classified as yearlong critical habitat for antelope. He stated that the lack of water not forage is the limiting factor affecting the herd in the area. He recommended no restrictions for antelope. No other wildlife is expected to be significantly affected. He gave Jim Davis of SITLA and Carroll Estes of Kerr McGee a copy of his wildlife evaluation and a UDWR recommended seed mix to be used when re-vegetating the locations.

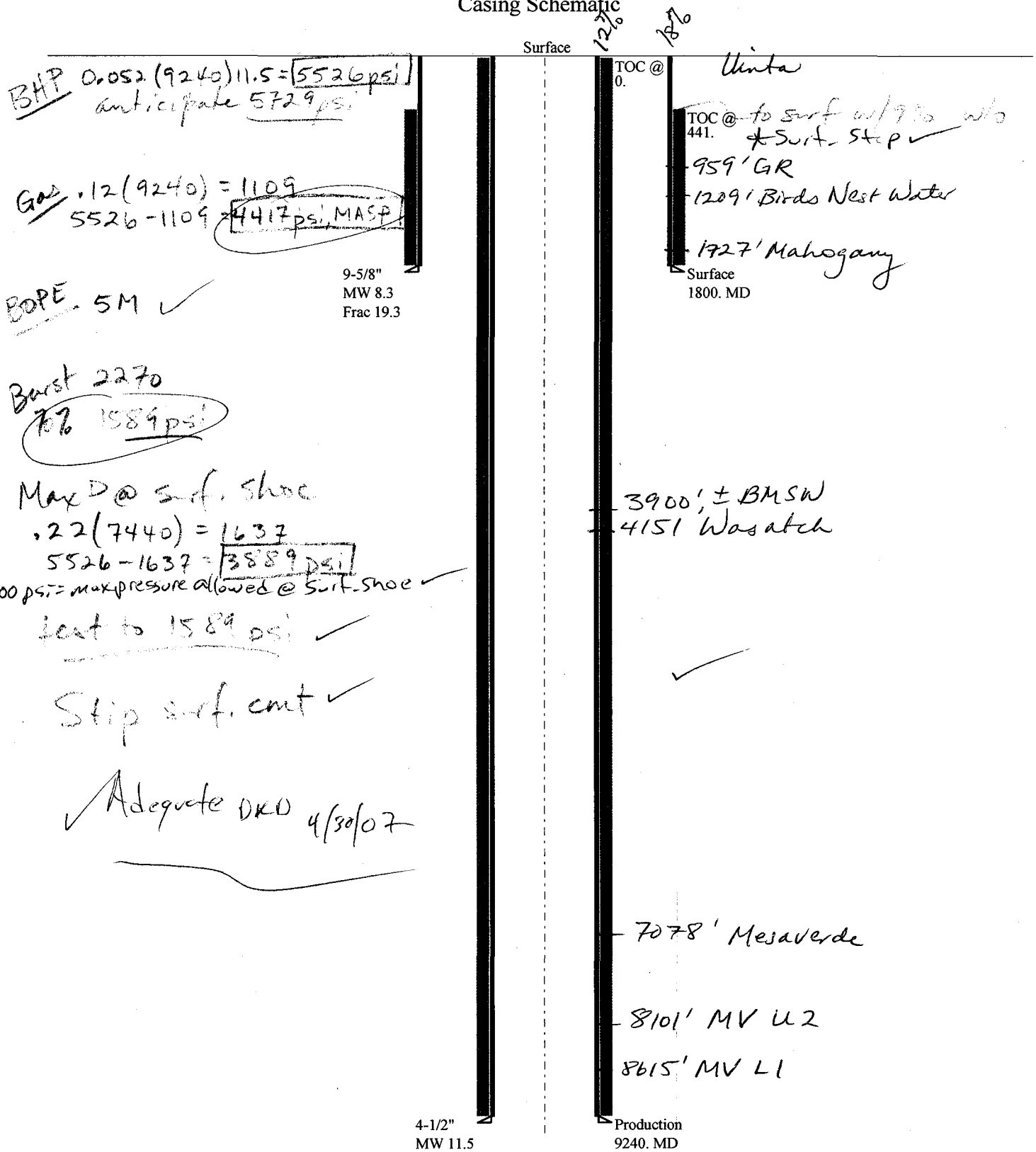
ATV's were used to access the site.

Floyd Bartlett  
**Evaluator**

4/5/2007  
**Date / Time**



Casing Schematic



Well name:	<b>2007-04 Kerr McGee State 1021-31M</b>	
Operator:	<b>Kerr McGee Oil &amp; Gas Onshore L.P.</b>	
String type:	Surface	Project ID: 43-047-39112
Location:	Uintah County, Utah	

**Design parameters:**
**Collapse**

Mud weight: 8.300 ppg  
Design is based on evacuated pipe.

**Minimum design factors:**
**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 75 °F  
Bottom hole temperature: 100 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 1,400 ft

Cement top: 441 ft

**Burst**

Max anticipated surface pressure: 1,584 psi  
Internal gradient: 0.120 psi/ft  
Calculated BHP 1,800 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.80 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.50 (B)

Tension is based on buoyed weight.

Neutral point: 1,581 ft

**Non-directional string.**
**Re subsequent strings:**

Next setting depth: 9,240 ft  
Next mud weight: 11.500 ppg  
Next setting BHP: 5,520 psi  
Fracture mud wt: 19.250 ppg  
Fracture depth: 1,800 ft  
Injection pressure: 1,800 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	1800	9.625	32.30	H-40	ST&C	1800	1800	8.876	795.3

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	776	1370	1.765	1800	2270	1.26	51	254	4.98 J

Prepared Helen Sadik-Macdonald  
by: Div of Oil, Gas & Minerals

Phone: (801) 538-5357  
FAX: (801) 359-3940

Date: April 23, 2007  
Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 1800 ft, a mud weight of 8.3 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

Well name:	<b>2007-04 Kerr McGee State 1021-31M</b>	
Operator:	<b>Kerr McGee Oil &amp; Gas Onshore L.P.</b>	
String type:	Production	Project ID: 43-047-39112
Location:	Uintah County, Utah	

**Design parameters:**

**Collapse**

Mud weight: 11.500 ppg  
Design is based on evacuated pipe.

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 75 °F  
Bottom hole temperature: 204 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 1,500 ft

Cement top: Surface

**Burst**

Max anticipated surface pressure: 3,487 psi  
Internal gradient: 0.220 psi/ft  
Calculated BHP 5,520 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.80 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.50 (B)

**Non-directional string.**

Tension is based on buoyed weight.

Neutral point: 7,652 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	9240	4.5	11.60	I-80	LT&C	9240	9240	3.875	806.3

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	5520	6360	1.152	5520	7780	1.41	89	212	2.39 J

Prepared Helen Sadik-Macdonald  
by: Div of Oil, Gas & Minerals

Phone: (801) 538-5357  
FAX: (801) 359-3940

Date: April 23, 2007  
Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 9240 ft, a mud weight of 11.5 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22794
2. NAME OF OPERATOR: KERR MCGEE OIL AND GAS ONSHORE LP		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST VERNAL UT 84078		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: 576' FSL 647' FWL, LOT 4		8. WELL NAME and NUMBER: STATE 1021-31M
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSW 31 10S 21E		9. API NUMBER: 43-047-39112
COUNTY: UINTAH		10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

An onsite was conducted on 4/5/07 with the Division of Oil, Gas and Mining Representative and SITLA Representative. It was decided to change the proposed pipeline from a 4" pipeline approximately 1,207 +/- to two 4" pipelines approximately 7,050' +/- and 500' +/-, and a 6" pipeline approximately 5,350' +/-.

Please refer to the attached Topo D.

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
For Record Only

NAME (PLEASE PRINT) Ramey Hoopes	TITLE Land Specialist I
SIGNATURE <i>Ramey Hoopes</i>	DATE 4/18/2007

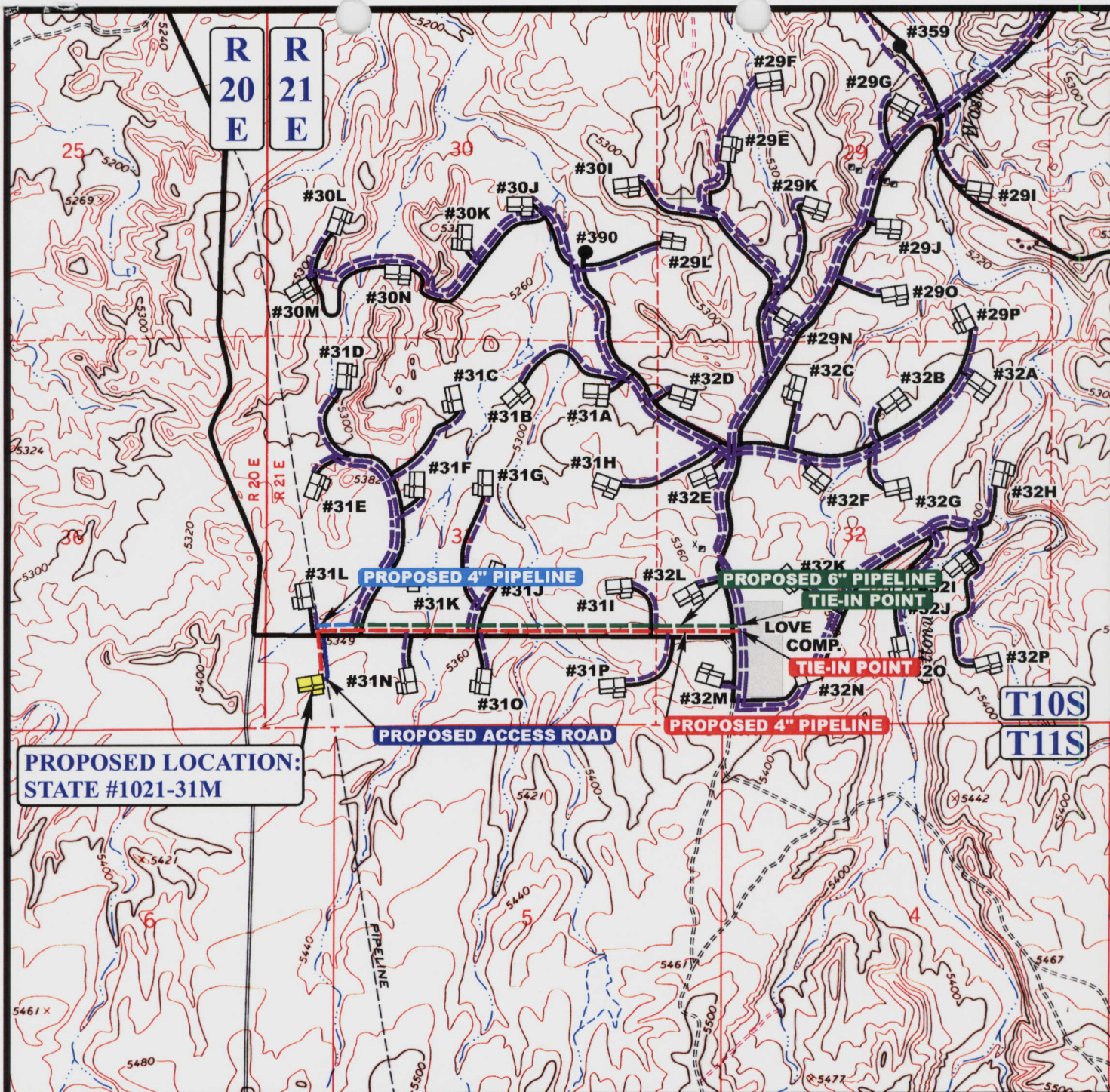
(This space for State use only)

RECEIVED

APR 23 2007

DIV. OF OIL, GAS & MINING





APPROXIMATE TOTAL 4" PIPELINE DISTANCE = 500' +/-

APPROXIMATE TOTAL 6" PIPELINE DISTANCE = 5,350' +/-

APPROXIMATE TOTAL 4" PIPELINE DISTANCE = 7,050' +/-

# LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- PROPOSED PIPELINE
- PROPOSED PIPELINE (SERVICING OTHER WELLS)

Kerr-McGee Oil & Gas Onshore LP

STATE #1021-31M  
SECTION 31, T10S, R21E, S.L.B.&M.  
576' FSL 647' FWL



Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813



TOPOGRAPHIC  
MAP

12 28 06  
MONTH DAY YEAR

SCALE: 1"=2000' DRAWN BY: B.C. REVISED: 04-13-07C.P.





**From:** Ed Bonner  
**To:** Mason, Diana  
**Date:** 6/7/2007 4:43 PM  
**Subject:** Well Clearance

**CC:** Davis, Jim; Garrison, LaVonne; Hill, Brad; Hunt, Gil

The following wells have been given cultural resources clearance by the Trust Lands Cultural Resources Group:

Enduring Resources, LLC

Coyote Basin 8-25-11-16 (API 43 047 39189)

EOG Resources, Inc

NBU 635-12E (API 43 047 39190)

NBU 636-12E (API 43 047 39191)

NBU 632-12E (API 43 047 39192)

NBU 633-12E (API 43 047 39193)

NBU 634-12E (API 43 047 39194)

Kerr McGee Oil & Gas Onshore LP

NBU 1022-25B (API 43 047 39032)

NBU 1022-25G (API 43 047 39142)

NBU 1021-31A (API 43 047 39111)

State 1021-31M (API 43 047 39112)

State 1021-31E (API 43 047 39113)

State 1021-31D (API 43 047 39114)

State 1021-31C (API 43 047 39115)

NBU 1021-31B (API 43 047 39116)

State 1021-31P (API 43 047 39117)

State 1021-31L (API 43 047 39118)

State 1021-31N (API 43 047 39119)

State 1021-31O (API 43 047 39120)

State 1021-31I (API 43 047 39121)

State 1021-31J (API 43 047 39122)

State 1021-31K (API 43 047 39123)

State 1021-31F (API 43 047 39124)

State 1021-31G (API 43 047 39125)

State 1021-31H (API 43 047 39126)

If you have any questions regarding this matter please give me a call.



JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil Gas and Mining

JOHN R. BAZA  
Division Director

June 12, 2007

Kerr-McGee Oil & Gas Onshore, LP  
1368 South 1200 East  
Vernal, UT 84078

Re: State 1021-31M Well, 576' FSL, 647' FWL, SW SW, Sec. 31, T. 10 South, R. 21 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-39112.

Sincerely,

Gil Hunt  
Associate Director

er  
Enclosures

cc: Uintah County Assessor  
SITLA



Operator: Kerr-McGee Oil & Gas Onshore, LP  
Well Name & Number State 1021-31M  
API Number: 43-047-39112  
Lease: ML 22794

Location: SW SW Sec. 31 T. 10 South R. 21 East

### Conditions of Approval

#### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

#### 2. Notification Requirements

The operator is required to notify the Division of Oil, Gas and Mining of the following action during drilling of this well:

- 24 hours prior to cementing or testing casing – contact Dan Jarvis
- 24 hours prior to testing blowout prevention equipment – contact Dan Jarvis
- 24 hours prior to spudding the well – contact Carol Daniels
- Within 24 hours of any emergency changes made to the approved drilling program – contact Dustin Doucet
- Prior to commencing operations to plug and abandon the well – contact Dan Jarvis

The operator is required to get approval from the Division of Oil, Gas and Mining before performing any of the following actions during the drilling of this well:

- Plugging and abandonment or significant plug back of this well – contact Dustin Doucet
- Any changes to the approved drilling plan – contact Dustin Doucet

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at: (801) 538-5338 office (801) 942-0873 home
- Carol Daniels at: (801) 538-5284 office
- Dustin Doucet at: (801) 538-5281 office (801) 733-0983 home

#### 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.



4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.
5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)
6. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.
7. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.
8. Surface casing shall be cemented to the surface.

## DIVISION OF OIL, GAS AND MINING

### SPUDDING INFORMATION

Name of Company: KERR-McGEE OIL & GAS ONSHORE, LP

Well Name: STATE 1021-31M

Api No: 43-047-39112 Lease Type: STATE

Section 31 Township 10S Range 21E County UINTAH

Drilling Contractor PETE MARTIN DRILLING RIG # RATHOLE

### SPUDDED:

Date 10/30/07

Time 5:00 PM

How DRY

**Drilling will Commence:** \_\_\_\_\_

Reported by LOU WELDON

Telephone # (435) 828-7035

Date 10/31/07 Signed CHD

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL

OIL WELL ☐

GAS WELL ☒

OTHER \_\_\_\_\_

2. NAME OF OPERATOR:

KERR MCGEE OIL & GAS ONSHORE LP

3. ADDRESS OF OPERATOR:

1368 SOUTH 1200 EAST

CITY

VERNAL

STATE

UT

ZIP

84078

PHONE NUMBER:

(435) 781-7024

5. LEASE DESIGNATION AND SERIAL NUMBER:

ML-22794

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:

STATE 1021-31M

9. API NUMBER:

4304739112

10. FIELD AND POOL, OR WILDCAT:

NATURAL BUTTES

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 576'FSL, 647'FWL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSW 31 10S 21E

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: WELL SPUD
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7# SCHEDULE 10 PIPE. CMT W/28 SX READY MIX.

SPUD WELL LOCATION ON 10/30/2007 AT 1700 HRS.

NAME (PLEASE PRINT) SHEILA UPCHEGO

TITLE SENIOR LAND ADMIN SPECIALIST

SIGNATURE

DATE 10/31/2007

(This space for State use only)

RECEIVED  
NOV 02 2007  
DIV. OF OIL, GAS & MINING

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>ML-22794</b>
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____	8. WELL NAME and NUMBER: <b>STATE 1021-31M</b>	9. API NUMBER: <b>4304739112</b>
2. NAME OF OPERATOR: <b>KERR MCGEE OIL &amp; GAS ONSHORE LP</b>	10. FIELD AND POOL, OR WILDCAT: <b>NATURAL BUTTES</b>	
3. ADDRESS OF OPERATOR: <b>1368 SOUTH 1200 EAST</b> CITY <b>VERNAL</b> STATE <b>UT</b> ZIP <b>84078</b>	PHONE NUMBER: <b>(435) 781-7024</b>	
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>576'FSL, 647'FWL</b>		COUNTY: <b>UINTAH</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>SWSW 31 10S 21E</b>		STATE: <b>UTAH</b>

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: <b>SET SURFACE CSG</b>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of work completion: _____			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.


MIRU BILL MARTIN AIR RIG ON 11/06/2007. DRILLED 12 1/4" SURFACE HOLE TO 1870'. RAN 9 5/8" 41 JTS OF 32.3# H-40 AND 2 JTS OF 36# J-55 SURFACE CSG. LEAD CMT W/150 SX HIFILL CLASS G @11.0 PPG 3.82 YIELD. TAILED CMT W/200 SX PREM CLASS G @15.8 PPG 1.15 YIELD. GOOD RETURNS. RAN 200' OF 1" PIPE. CMT W/75 SX PREM CLASS G @15.8 PPG 1.15 YIELD. TOP OUT W/100 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN BACKSIDE GOOD CMT TO SURFACE HOLE STAYED FULL.

WORT.

RECEIVED

NOV 20 2007

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) <b>SHEILA UPCHEGO</b>	TITLE <b>SENIOR LAND ADMIN SPECIALIST</b>
SIGNATURE 	DATE <b>11/12/2007</b>

(This space for State use only)

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____	5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22794
2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078	7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: 576'FSL, 647'FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSW 31 10S 21E	8. WELL NAME and NUMBER: STATE 1021-31M
	9. API NUMBER: 4304739112
	10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
	COUNTY: UINTAH
	STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

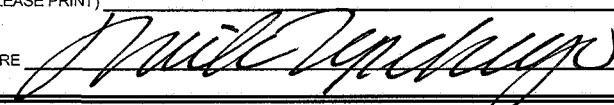
TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON	
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: FINAL DRILLING OPERATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION		

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

FINISHED DRILLING FROM 1870' TO 9120' ON 11/27/2007. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/270 SX PREM LITE II @11.0 PPG 3.38 YIELD. TAILED CMT W/1160 SX 50/50 POZ @14.3 PPG 1.31 YIELD. DROP PLUG AND DISPLACE W/141 BBLS WATER BUMP PLUG W/500 OVER FINAL CIRC 2680 PSI PLUG HELD HAD FULL RETURNS DURING JOB GOT BACK 7 BBLS MUD CLEAN TO PIT (NO CMT). SET CSG HANGER & L/D LANDING & TESTED HANGER TO 5000 PSI & SET 85K ON HANGER CLEAN AND WASH OUT MUD TANKS.

RELEASED ENSIGN RIG 83 ON 11/28/2007 AT 1800 HRS.

RECEIVED  
DEC 14 2007  
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) SHEILA UPCHEGO	TITLE SENIOR LAND ADMIN SPECIALIST
SIGNATURE 	DATE 11/30/2007

(This space for State use only)

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER \_\_\_\_\_

2. NAME OF OPERATOR:  
KERR McGEE OIL & GAS ONSHORE LP

3. ADDRESS OF OPERATOR:  
1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER:  
(435) 781-7024

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 576'FSL, 647'FWL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSW 31 10S 21E

STATE: UTAH

5. LEASE DESIGNATION AND SERIAL NUMBER:  
ML-22794

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:  
STATE 1021-31M

9. API NUMBER:  
4304739112

10. FIELD AND POOL, OR WILDCAT:  
NATURAL BUTTES

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>PRODUCTION</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<u>START-UP</u>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE SUBJECT WELL LOCATION WAS PLACED ON PRODUCTION ON 02/02/2008 AT 11:20 AM.

PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

RECEIVED  
FEB 25 2008

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) SHEILA UPCHEGO

TITLE SENIOR LAND ADMIN SPECIALIST

SIGNATURE

DATE 2/4/2008

(This space for State use only)



Anadarko Petroleum Corporation  
1368 S. 1200 East  
Vernal, UT 84078

## CHRONOLOGICAL WELL HISTORY

### STATE 1021-31M

LOCATION SWSW SEC.31, T10S, R21E

DATE	ACTIVITY	STATUS
10/08/07	LOCATION STARTED ENSIGN 83	
10/29/07	LOCATION COMPLETED ENSIGN 83	P/L IN, WOBR
11/15/07	TD: 1870' Csg. 9 5/8" @ 1916' MW: 8.4 RDRT and move to State 1021-31M. Spot rig and RURT. NU BOP @ report time.	SD: 11/xx/07 DSS: 0
11/16/07	TD: 2424' Csg. 9 5/8" @ 1916' MW: 9.8 NU and test BOP. Pick up BHA and drill FE. Rotary spud @ 21:30 on 11/15/07 Drill from 1870'-2424'. DA @ report time.	SD: 11/15/07 DSS: 1
11/19/07	TD: 4970' Csg. 9 5/8" @ 1916' MW: 9.9 Drill from 2424'-3657'. Trip for dropping bit. Drill to 4970'. DA.	SD: 11/15/07 DSS: 4
11/20/07	TD: 5727' Csg. 9 5/8" @ 1916' MW: 10.2 Drill from 4970'-5298'. TFNB and MM. Drill to 5727'. DA.	SD: 11/15/07 DSS: 5
11/21/07	TD: 6350' Csg. 9 5/8" @ 1916' MW: 10.2 Drill from 5727'-6350'. DA.	SD: 11/15/07 DSS: 6
11/22/07	TD: 6775' Csg. 9 5/8" @ 1916' MW: 10.2 Drill from 6350'-6434'. TFNB. Drill to 6775'. DA.	SD: 11/15/07 DSS: 7
11/23/07	TD: 7200' Csg. 9 5/8" @ 1916' MW: 10.5 Drill from 6775'-7200'. DA.	SD: 11/15/07 DSS: 8
11/26/07	TD: 8707' Csg. 9 5/8" @ 1916' MW: 11.0 Drill from 7200'-8422'. TFNB. Drill to 8707'. DA.	SD: 11/15/07 DSS: 11
11/27/07	TD: 9120' Csg. 9 5/8" @ 1916' MW: 11.4 Drill from 8707'-9120' TD. Short trip and POOH for logs. Run Triple Combo @ report time.	SD: 11/15/07 DSS: 12
11/28/07	TD: 9120' Csg. 9 5/8" @ 1916' MW: 11.4 Run Triple Combo. TIH and CCH for casing. LDDS. Run production casing @ report time.	SD: 11/15/07 DSS: 13
11/29/07	TD: 9120' Csg. 9 5/8" @ 1916' MW: 11.4 Run and cement 4 1/2" production casing. Land casing and release rig @ 1800 hrs 11/28/07. RDRT. Will move to State 1021-32P this am.	SD: 11/15/07 DSS: 14
01/23/08	<b>MIRU</b> Days On Completion: 1 Remarks: DAY #1] 7:00 HSM ROAD RIG FROM FEDERAL 1021-26L TO STATE 1021-31M, MIRU, SPOT EQUIP, N/D WELL HEAD, N/U BOPE, R/U TBG EQUIP, P/U 3-7/8 MILL W/ X	

OVER, TALLEY & P/U 249 JNTS 2-3/8 J-55 TBG EOT @ 8056.45, POOH W/ 24 JNTS W/ EOT @ 6989.29, DRAIN EQUIP.

01/24/08

**POOH**

Days On Completion: 2

Remarks: DAY #2] 7:00 HSM OPNE WELL 0#, POOH W/ TBG & 3-7/8 MILL, R/D TBG EQUIP, N/D BOPE, N/U FRAC VALVES, MIRU B&C QUICK TEST, PRESSURE TEST CSG & FRAC VALVES TO 7500# [GOOD TEST] RIG DN TESTERS, DRAIN EQUIP, SWIFN. 3:00

01/25/08

**Perf**

Days On Completion: 3

Remarks: DAY #3] 7:00 HSM. MIRU CUTTERS WIRE LINE, P/U RIH W/ 3-3/8 EXP GUN, 23 GRM, 0.36" HOLE, PERF MESAVERDE 8975'-8978' 4 SPF 12 HOLES, 8782'-8789' 4 SPF, 28 HOLES, POOH R/D WIRE LINE

01/28/08

**Frac**

Days On Completion: 6

Remarks: DAY #4] 7:00 HSM W/ WEATHERFORD FRAC & CUTTERS WIRE LINE PRE JOB. WEATHERFORD BLENDER BROKE DN & HAVING COMPUTER PROBLEMS. 11:30 SENT RIG CREW & CUTTERS HOME BE BACK READY TO PUMP & 7:00 A.M

01/29/08

**Frac**

Days On Completion: 7

Remarks: DAY #5] HOLD PRE JOB SAFETY MTG W/ WEATHERFORD.

STG #1] FRAC MESAVERDE 8975'-8978', 8782'-8789' WHP=1300#, BRK DN PERFS @ 4032#, INJT PSI=6000, INJT RT=50.5, ISIP=3259, FG=.81, PUMP'D 947 BBLS SLK/WTR W/ 27261# 30/50 MESH W/ 5000# RESIN COAT IN TAIL. ISIP=3009, FG=.78, AR=50.7, AP=4983, MR=51.3, MP=6859, NPI=-250 24/40 PERFS OPEN 61%.

STG #2] P/U RIH W/ 3-3/8 EXPEND PERF GUN, 23 GRM, 0.36" HOLE W/ BKR 8K CBP, SET CBP @ 8677' PERF MESAVERDE 8644'-8647' 3 SPF 9 HOLES, 8583'-8587' 3 SPF 12 HOLES, 8562'-8565' 3 SPF 9 HOLES, 8543'-8546' 4 SPF 12 HOLES [42 HOLES] WHP= 0#, BRK DN PERFS @ 4468#, INJT PSI=5330, INJT RT=51.1, ISIP=3447, FG=.84, PUMP'D 2192.2 BBLS SLK/WTR W/ 77103# 30/50 MESH W/ 5000# RESIN COAT IN TAIL, ISIP=3263, FG=.82, AR=51.4, AP=5016, MR=51.8, MP=6099, NPI=-184, 42/42 PERS OPEN 100%

STG #3] P/U RIH W/ 3-3/8 EXPEND PERF GUN, 23 GRM, 0.36" HOLE W/ BKR 8K CBP, SET CBP @ 8028' PERF MESAVERDE 7993'-7998' 4 SPF 20 HOLES, 7824'-7831' 3 SPF 21 HOLES [41 HOLES] WHP= 0#, BRK DN PERFS @ 3734#, INJT PSI=5575, INJT RT=51.1, ISIP=2613, FG=.77, PUMP'D 657 BBLS SLK/WTR W/ 19617# 30/50 MESH W/ 5000# RESIN COAT IN TAIL, ISIP=3026, FG=.83, AR=52, AP=5070, MR=52.6, MP=6684, NPI=413, 25/41 PERS OEPN 61%.

STG #4] P/U RIH W/ 3-3/8 EXPEND PERF GUN, 23 GRM, 0.36" HOLE W/ BKR 8K CBP, STACKED OUT @ 6500" WORKED WIRE LINE, PUMP'D 10 BBLS PAST PERF GUN & PLUG @ 3 BPM [NO SUCCESS] TRIED FLOWING WELL BACK [NO SUCCESS] SET CBP @ 6490' POOH, L/D PERF GUN. R/D CUTTERS & WEATHERFORD FRAC EQUIP, BLED WELL OFF, N/D FRAC VALVE, N/U BOPE, R/U TBG EQUIP, P/U 3-7/8 BIT W/ POBS, RIH W/ 210 JNTS 2-3/8 TBG, TAG @ 6490' L/D 3 JNTS, PUT STRIPPING RUBBER IN, READY TO DRL IN A.M SWIFN. 6:30



01/30/08

**Frac**

Days On Completion: 8

Remarks: DAY #6] 6:30 HSM ON TRIPPING PIPE. OPEN WELL 0#, P/U RIH W/ 2 JNTS 2-3/8 TBG, P/U PWR SWVL, EST CIRC, DRL THROUGH BKR 8K CBP @ 6490' IN 10 MIN. 0# INCREASE, CONTINUE TO RIH TO 7736', R/D PWR SWVL, POOH W/ 149 JNTS TBG W/ 3-7/8 BIT & POBS. R/D TBG EQUIP, N/D BOPE, N/U FRAC VALVE, R/U CUTTERS & WEATHERFORD FRAC. P/U RIH W/ 3-3/8 PERF GUN W/ BKR 8K CBP RIH TAGGED UP @ 7700' PULLED UP TO 7680' WENT BACK DN STACKED OU @ 7690' COULD'NT GO DN OR UP, HOOKED UP WEATHERFORD, PUMP'D 35 BBLS FREED UP WIRE LINE POOH TO LOOK @ PLUG, PLUG LOOKED GOOD. HAD WEATHERFORD PUMP 38 BBLS @ 35 BPM. WIRE LINE WENT BACK IN HOLE DID NOT SEE ANYTHING.

STG #4] P/U RIH W/ 3-3/8 EXP PERF GUN 23 GRM, 0.36" HOLE & BKR 8K CBP, SET CBP @ 7741', PERF MESAVERDE 7705'-7711' 3 SPF 18 HOLES, 7684'-7692' 3 SPF 24 HOLES [42 HOLES] WHP=0#, BRK DN PERFS @ 4298', INJT PSI=4650, INJT RT=50.9, ISIP=2190, FG=.73 PUMP'D 1041 BBLS SLK/WTR W/ 34261# 30/50 MESH W/ 5000# RESIN COAT IN TAIL, ISIP=3258, FG=.87, AR=50.7, AP=4578, MR=51.3, MP=7061, NPI=1048, 28/42 PERFS OPEN 67%

STG #5] P/U RIH W/ 3-3/8 EXP PERF GUN 23 GRM, 0.36" HOLE & BKR 8K CBP, SET CBP @ 7602', PERF MESAVERDE 7561'-7572' 3 SPF 33 HOLES, 7428'-7431' 2 SPF 6 HOLES [39 HOLES] WHP=0#, BRK DN PERFS @ 6134', INJT PSI=5814, INJT RT=49.7, ISIP=2664, FG=.80 PUMP'D 1274 BBLS SLK/WTR W/ 40255# 30/50 MESH W/ 5000# RESIN COAT IN TAIL, ISIP=2630, FG=.79, AR=52, AP=5070, MR=52.6, MP=7343, NPI=-66, 24/39 PERFS OPEN 60%

STG #6] P/U RIH W/ 3-3/8 EXP PERF GUN 23 GRM, 0.36" HOLE & BKR 8K CBP, SET CBP @ 7344', PERF MESAVERDE 7311'-7314' 4 SPF 12 HOLES, 7256'-7259' 4 SPF 12 HOLES 7184'-7190' 3 SPF 18 HOLES [42 HOLES] WHP=0#, BRK DN PERFS @ 4823', INJT PSI=5096, INJT RT=50.6, ISIP=1937, FG=.71 PUMP'D 2170.6 BBLS SLK/WTR W/ 86415# 30/50 MESH W/ 5000# RESIN COAT IN TAIL, ISIP=2722, FG=.82, AR=50.9, AP=4221, MR=51.1, MP=6539, NPI=785, 24/42 PERFS OPEN 60%

02/02/08 **FLOWBACK REPORT:** CP 1600#, TP 775#, CK 20/64", 36 BWPH, LOAD REC'D 870 BBLS, REMAINING LTR 7512 BBLS  
**WENT ON SALES:** @ 11:20 PM, 240 MCF, 700 TBG, 1700 CSG, 20/64 CK, 36 BBWH

02/03/08 **FLOWBACK REPORT:** CP 2250#, TP 900#, CK 20/64", 30 BWPH, LOAD REC'D 742 BBLS, REMAINING LTR 4770 BBLS  
**ON SALES:** 132 MCF, 0 BC, 720 BW, TP: 2250#, CP: 900#, 20/64 CHK, 24HRS, LP: 245#.

02/04/08 **ON SALES:** 544 MCF, 0 BC, 624 BW, TP: 875#, CP: 1875#, 20/64 CHK, 24HRS, LP: 251#.

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STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ FORM 8  
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL:		OIL WELL <input type="checkbox"/>	GAS WELL <input checked="" type="checkbox"/>	DRY <input type="checkbox"/>	OTHER <input type="checkbox"/>		
b. TYPE OF WORK:		NEW WELL <input checked="" type="checkbox"/>	HORIZ. LATS. <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	RE-ENTRY <input type="checkbox"/>	DIFF. RESVR. <input type="checkbox"/>	OTHER <input type="checkbox"/>
2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP						9. API NUMBER: 4304739112	
3. ADDRESS OF OPERATOR: 1368 S 1200 E CITY VERNAL STATE UT ZIP 84078				PHONE NUMBER: (435) 781-7024		10 FIELD AND POOL, OR WILDCAT NATURAL BUTTES	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 576'FSL, 647'FWL LOT 4  AT TOP PRODUCING INTERVAL REPORTED BELOW:  AT TOTAL DEPTH:						11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSW 31 10S 21E	
12. COUNTY UINTAH						13. STATE UTAH	
14. DATE SPUDDED: 10/30/2007	15. DATE T.D. REACHED: 11/27/2007	16. DATE COMPLETED: 2/2/2008		ABANDONED <input type="checkbox"/> READY TO PRODUCE <input checked="" type="checkbox"/>		17. ELEVATIONS (DF, RKB, RT, GL): 5360'GL	
18. TOTAL DEPTH: MD 9,120 TVD		19. PLUG BACK T.D.: MD 9,055 TVD		20. IF MULTIPLE COMPLETIONS, HOW MANY? *		21. DEPTH BRIDGE MD PLUG SET: TVD	
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each) CBL-CCL-GR; SP/DSN/HAL				23. WAS WELL CORED? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit analysis) WAS DST RUN? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit report) DIRECTIONAL SURVEY? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit copy)			

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
20"	14" STL	36.7#		40		28			
12 1/4"	9 5/8 H-40	32.3# 36#		1,870		525			
7 7/8"	4 1/2 I-80	11.6#		9,120		1430			

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	8,020							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) MESAVERDE	7,314	8,978			7,314 8,978	0.36	246	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

27. PERFORATION RECORD

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
7314'-8978'	PMP 8282 BBLS SLICK H2O & 284,912# 30/50 SD

29. ENCLOSED ATTACHMENTS:

- ☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY  
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER: \_\_\_\_\_

30. WELL STATUS:

PROD

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## 31. INITIAL PRODUCTION

## INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 2/2/2008		TEST DATE: 2/7/2008		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL – BBL: 0	GAS – MCF: 759	WATER – BBL: 480	PROD. METHOD: FLOWING
CHOKE SIZE: 20/64	TBG. PRESS. 574	CSG. PRESS. 1,216	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL: 0	GAS – MCF: 759	WATER – BBL: 480	INTERVAL STATUS: PROD

## INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

## INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

## INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

## 32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

SOLD

## 33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
WASATCH MESAVERDE	4,146 7,175	7,175			

## 35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) SHEILA UPCHEGO

TITLE SENIOR LAND ADMIN SPECIALIST

SIGNATURE

DATE 2/25/2008

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation

- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

\* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

\*\* ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340  
Fax: 801-359-3940

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22794
2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: 576'FSL, 647'FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSW 31 10S 21E		8. WELL NAME and NUMBER: STATE 1021-31M 9. API NUMBER: 4304739112 10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
		COUNTY: UINTAH STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input checked="" type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE OPERATOR REQUESTS AUTHORIZATION TO RECOMPLETE THE SUBJECT WELL LOCATION. THE OPERATOR PROPOSES TO RECOMPLETE THE WASATCH FORMATION. THE OPERATOR REQUESTS AUTHORIZATION TO COMMINGLE THE NEWLY WASATCH FORMATION, ALONG WITH THE EXISTING MESAVERDE FORMATION.

PLEASE REFER TO THE ATTACHED RECOMPLETION PROCEDURE.

COPY SENT TO OPERATOR

Date: 10-23-2008

Initials: KS

NAME (PLEASE PRINT) SHEILA UPCHEGO

TITLE REGULATORY ANALYST

SIGNATURE

DATE 10/6/2008

(This space for State use only)

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE: 10/21/08

BY: [Signature] See Instructions on Reverse Side

(5/2000)

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OCT 08 2008

DIV. OF OIL, GAS & MINING

\* For recompletion work only - Application for commingling shall be submitted and approved in accordance with 2649-3-22 prior to commingling

**Name:** State 1021-31M  
**Location:** SWSW-Section 31-T10S-R21E  
**Uintah County, UT**  
**Date:** September 2, 2008

**ELEVATIONS:** 5360 GL 5377 KB

**TOTAL DEPTH:** 9112 **PBTD:** 9067  
**SURFACE CASING:** 9 5/8", 36# J-55 ST&C @ 1854'  
**PRODUCTION CASING:** 4 1/2", 11.6#, I-80 LT&C @ 9112'  
Marker Joint **4073'-4094'**

**TUBULAR PROPERTIES:**

	BURST (psi)	COLLAPSE (psi)	DRIFT DIA. (in.)	CAPACITIES	
				(bbl/ft)	(gal/ft)
2 3/8" 4.7# J-55 tbg	7,700	8,100	1.901"	0.00387	0.1624
4 1/2" 11.6# I-80 (See above)	7780	6350	3.875"	0.0155	0.6528
2 3/8" by 4 1/2" Annulus				0.0101	0.4227

**TOPS:**

959' Green River  
1542' Mahogany  
4146' Wasatch  
7068' Mesaverde

CBL indicates good cement bond below 3150'

**GENERAL:**

- A minimum of **13** tanks (cleaned lined 500 bbl) of **fresh** water will be required. Note: Use biocide in tanks and the water needs to be at least 65°F-75 °F at pump time.
- All perforation depths are from Halliburtons Induction-Density-Neutron log dated 11/27/07
- **5** fracturing stages required for coverage.
- Procedure calls for 6 CBP's (**8000** psi).
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- Put scale inhibitor 3 gals/1000 gals (in pad and 1/2 the ramp) and 10 gals/1000 gals in all flushes except the final stage. Remember to pre-load the casing with scale inhibitor for the very first stage with 10 gpt.
- 20/40 mesh Ottawa sand, **Gel frac.**
- Maximum surface pressure **6200** psi.
- Flush volumes are the sum of slick water and acid used during displacement (include scale inhibitor as mentioned above). **DO NOT OVERDISPLACE.** Stage acid and scale inhibitor if necessary to cover the next perforated interval.
- Service companies need to provide surface/production annulus pop-offs to be set for 1500 psi for each frac.
- Pump **16/30 resin coated sand** last 5,000# of all frac stages

- Tubing Currently Landed @~8020'
- Originally completed on 1/29/08

### Existing Perforations:

#### PERFORATIONS

<u>Formation (Bench)</u>	<u>Top</u>	<u>Btm</u>	<u>spf</u>	<u>Shots</u>	<u>Date</u>
MESA VERDE	7184	7190	3	18	01/28/2008
MESA VERDE	7256	7259	4	12	01/28/2008
MESA VERDE	7311	7314	4	12	01/28/2008
MESA VERDE	7428	7431	2	6	01/28/2008
MESA VERDE	7561	7572	3	33	01/28/2008
MESA VERDE	7684	7692	3	24	01/28/2008
MESA VERDE	7705	7711	3	18	01/28/2008
MESA VERDE	7824	7831	3	21	01/28/2008
MESA VERDE	7993	7998	4	20	01/28/2008
MESA VERDE	8543	8546	4	12	01/28/2008
MESA VERDE	8562	8565	3	9	01/28/2008
MESA VERDE	8583	8587	3	12	01/28/2008
MESA VERDE	8644	8647	3	9	01/28/2008
MESA VERDE	8782	8789	4	28	01/28/2008
MESA VERDE	8975	8978	4	12	01/28/2008

### PROCEDURE:

1. MIRU. Control well with fresh water and biocide as required. ND WH, NU BOP's and test.
2. TOOH with 2-3/8", 4.7#, J-55 tubing (currently landed at ~8020'). Visually inspect for scale and consider replacing if needed.
3. If tbg looks ok consider running a gauge ring to 7170' (50' below proposed CBP). Otherwise P/U a mill and C/O to 7170' (50' below proposed CBP).
4. Set 8000 psi CBP at ~7120'. Pressure test BOP and casing to 6000 psi. .
5. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:
 

Zone	From	To	spf	# of shots
WASATCH	7080	7090	4	40
# of Perfs/stage				40
6. Breakdown perfs and establish injection rate (include scale inhibitor in fluid). Fracture as outlined in Stage 1 on attached listing. Under-displace to ~7030' and trickle 250gal 15%HCL w/ scale inhibitor in flush .
7. Set 8000 psi CBP at ~6838'. Perf the following 3-3/8" gun, 23 gm, 0.36"hole:
 

Zone	From	To	spf	# of shots
WASATCH	6734	6740	4	24
WASATCH	6804	6808	4	16
# of Perfs/stage				40

8. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Under-displace to ~6684' and trickle 250gal 15%HCL w/ scale inhibitor in flush. Note: Stage has tight spacing.

9. Set 8000 psi CBP at ~6662'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	6432	6436	3	12
WASATCH	6520	6524	3	12
WASATCH	6626	6632	3	18
# of Perfs/stage				42

10. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 3 on attached listing. Under-displace to ~6382' trickle 250gal 15%HCL w/ scale inhibitor in flush.

11. Set 8000 psi CBP at ~6184'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	5966	5968	4	8
WASATCH	5966	5968	2	4
WASATCH	6032	6034	3	6
WASATCH	6084	6086	4	8
WASATCH	6150	6154	4	16
# of Perfs/stage				42

12. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 4 on attached listing. Under-displace to ~5916' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

13. Set 8000 psi CBP at ~5174'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	5134	5144	4	40
# of Perfs/stage				40

14. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 5 on attached listing. Under-displace to ~5084' and flush only with fresh water.

15. Set 8000 psi CBP at ~5084'.

16. TIH with 3 7/8" bit, sliding sleeve, SN and tubing.

17. Drill plugs and clean out to CBP @ 7120. Open sleeve and DO NOT PUMP OFF SUB and land tubing at ±6700'

18. RDMO

19. Come back later when the well stabilizes and C/O to PBTD.

**For design questions, please call  
David Cocciolone, Denver, CO  
(832)-453-2043 (Cell)  
(720)-929-6716 (Office)**

For field implementation questions, please call  
**Robert Miller, Vernal, UT**  
**(435)-781-7041 (Office)**

NOTES:

Some stages pumped at lower rates to avoid water.

Expected IP of 600 MCFD.

State 1021-31M									
Perforation and CBP Summary									
Stage	Zones	Perforations		SPF	Holes		Fracture Coverage		
		Top, ft	Bottom, ft						
1	WASATCH	7080	7090	4	40		7014	to	7024
	# of Perfs/stage				40		CBP DEPTH	6,838	
2	WASATCH	6734	6740	4	24		6726	to	6740
	WASATCH	6804	6808	4	16		6788	to	6818
	# of Perfs/stage				40		CBP DEPTH	6,662	
3	WASATCH	6432	6436	3	12		6391	to	6427
	WASATCH	6520	6524	3	12		6430	to	6436
	WASATCH	6626	6632	3	18		6464	to	6572
	# of Perfs/stage				42		CBP DEPTH	6,184	
4	WASATCH	5966	5968	4	8		5096	to	5110
	WASATCH	5966	5968	2	4		6030	to	6111
	WASATCH	6032	6034	3	6		6150	to	6156
	WASATCH	6084	6086	4	8				
	WASATCH	6150	6154	4	16				
	# of Perfs/stage				42		CBP DEPTH	5,174	
5	WASATCH	5134	5144	4	40		5133	to	5145
	# of Perfs/stage				40		CBP DEPTH	5,084	
	Totals				204				



Stage	Zone	Feet			SPF	Holes	BPM	Rate	Fluid Type	Prop	Initial ppg	Final ppg	Fluid	Volume gals	Cum Vol gals	Volume BBLs	Cum Vol BBLs	Fluid % of frac	Sand % of frac	Sand lbs	Cum. Sand lbs	Footage from CBP to Flush	Scale Inhib., gal.
		Top, ft	Bot, ft	No Perfs																			
1	WASATCH	10	7080	7090	4	40	Varied	Pump-in test					Freshwater		0	0	0						46
	WASATCH	25		No Perfs			0	ISIP and 5 min ISIP					Freshwater	6,000	6,000	143	143	20.7%	0.0%	0	0		18
							20	#					Freshwater	8,000	14,000	190	333	27.5%	16.0%	8,000	8,000		24
							20	# X-link	20/40		1	1	Freshwater	6,000	20,000	143	478	20.7%	24.0%	12,000	20,000		18
							20	# X-link	20/40		2	2	Freshwater	6,000	26,000	143	619	20.7%	36.0%	18,000	38,000		0
							20	# X-link	20/40		3	3	Freshwater	3,000	29,000	71	690	10.3%	24.0%	12,000	50,000		0
							20	Flush (4-1/2")			4	4	Freshwater	4,622	33,622	110	801				50,000		46
								ISDP and 5 min ISDP							33,622							152	
		35		# of Perfs/stage		40	23.1	<< Above pump time (min)										Flush depth	7030	gal/hr CBP depth	1,429 lbs sand/ft	192	
2	WASATCH	14	6734	6740	4	24	Varied	Pump-in test					Freshwater		0	0	0						36
	WASATCH	30	6804	6806	4	16	0	ISIP and 5 min ISIP					Freshwater	12,000	12,000	286	286	20.7%	0.0%	0	0		48
							20	#					Freshwater	18,000	28,000	381	667	27.5%	16.0%	16,000	16,000		36
							20	# X-link	20/40		1	1	Freshwater	12,000	40,000	286	952	20.7%	24.0%	24,000	40,000		0
							20	# X-link	20/40		2	2	Freshwater	12,000	52,000	286	1,238	20.7%	36.0%	36,000	78,000		0
							20	# X-link	20/40		3	3	Freshwater	6,000	58,000	143	1,381	10.3%	24.0%	24,000	100,000		44
							20	Flush (4-1/2")			4	4	Freshwater	4,442	62,442	106	1,487				100,000		164
								ISDP and 5 min ISDP							62,442								
		44		# of Perfs/stage		40	101.6	<< Above pump time (min)										Flush depth	6684	gal/hr CBP depth	2,273 lbs sand/ft	22	LOOK
3	WASATCH	36	6432	6436	3	12	Varied	Pump-in test					Freshwater		0	0	0						27
	WASATCH	6	6520	6524	3	12	0	ISIP and 5 min ISIP					Freshwater	9,000	9,000	214	214	20.7%	0.0%	0	0		36
	WASATCH	108	6525	6532	3	18	18	#					Freshwater	12,000	21,000	286	500	27.5%	5.1%	12,000	12,000		27
		50		No Perfs			18	# X-link	20/40		1	1	Freshwater	9,000	30,000	214	714	20.7%	7.5%	18,000	30,000		0
		15		No Perfs			18	# X-link	20/40		2	2	Freshwater	9,000	39,000	214	929	20.7%	11.4%	27,000	57,000		0
							18	# X-link	20/40		3	3	Freshwater	4,500									

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22794
2. NAME OF OPERATOR: KERR MCGEE OIL & GAS ONSHORE LP		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078		7. UNIT or CA AGREEMENT NAME:
PHONE NUMBER: (435) 781-7024		8. WELL NAME and NUMBER: STATE 1021-31M
4. LOCATION OF WELL FOOTAGES AT SURFACE: 576' FSL, 647' FWL LOT 4		9. API NUMBER: 4304739112
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSW 31 10S 21E		10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
		COUNTY: UINTAH
		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input checked="" type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE OPERATOR PERFORMED AN RECOMPLETION ON THE SUBJECT WELL LOCATION. THE OPERATOR HAS PLACED THE SUBJECT WELL LOCATION BACK ON PRODUCTION ON 11/16/2008 AT 1030 HRS.

PLEASE REFER TO THE ATTACHED RECOMPLETION CHRONOLOGICAL WELL HISTORY.

NAME (PLEASE PRINT) SHEILA UPCHEGO	TITLE REGULATORY ANALYST
SIGNATURE <i>Sheila Upchego</i>	DATE 11/17/2008

(This space for State use only)

RECEIVED  
NOV 24 2008  
DIV. OF OIL, GAS & MINING

Wins No.: 92674		STATE 1021-31M				API No.: 4304739112		
EVENT INFORMATION:		EVENT ACTIVITY: RECOMPLETION		START DATE: 11/7/2008		AFE NO.: PENDING		
		OBJECTIVE: DEVELOPMENT		END DATE: 11/13/2008				
		OBJECTIVE 2: RECOMPLETE		DATE WELL STARTED PROD.: 11/15/2007				
		REASON: WAS RECOMPLETE		Event End Status: COMPLETE				
RIG OPERATIONS:		Begin Mobilization	Rig On Location	Rig Charges	Rig Operation Start	Finish Drilling	Rig Release	Rig Off Location
KEY 243 / 243		11/07/2008				11/13/2008		
Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation	
11/7/2008	SUPERVISOR: JON MILES 7:00 - 15:00		8.00	COMP	33	D	P	HSM. RU WIRELINE. RIH W/ GUAGE RING TO 7200'. RIH SET CBP @ 7120'. FILL WELL. PRES TEST & CHART TO 6000 PSI. RIH PERF 7080'-7090'. 40 HOLES. SWI 3:PM.
11/10/2008	SUPERVISOR: JON MILES 7:00 - 15:00		8.00	COMP	36	B	P	WAITING ON FRAC CREW
11/11/2008	SUPERVISOR: JON MILES 7:00 - 18:00		11.00	COMP	36	B	P	HSM. OPEN WELL. 500 PSI.GEL FRAC. RU WEATHERFORD & CUTTERS. PERFS 7080'-7090'. STAGE 1# BROKE @ 3482, IR 19.4, IP 4100. ISIP 2048, FG .73. MP 4804, MR 23.2, AP 4271, AR 19.6, FG 1.05, ISIP 4382, NPI 2334, CLEAN 897 BBLS, 50,000# SAND. STAGE 2# . RIH SET CBP @ 6838', PERF 6734'-6740', 6804-6808', 4SPF, 40 HOLES. BROKE @ 4237, IR 21, IP 4300, ISIP 2382, FG .79, MP 4441, MR 22.1, AP 3955, AR 20.9, FG 1.01, ISIP 3905, NPI 1523, CLEAN 1336 BBLS, SAND 100,000#. STAGE 3# . RIH W/ WIRELINE COULDNT GET PAST 6530 FT. POOH SHUT WELL IN. LET SAND FALL OVERNIGHT. WIRELINE IN AM.
11/12/2008	SUPERVISOR: JON MILES 7:00 - 18:00		11.00	COMP	36	B	P	DWC: \$221,120.00 CWC: \$262,636.00 MD: HSM. OPEN WELL 1400 PSI. PUMPED 10 BBLS. STAGE 3# RIH SET CBP @ 6665', PERF 6432-6436, 6524-6528', 6626-6632', 3 SPF, 42 HOLES. BROKE @ 2580, IR 19.2, IP 3600, ISIP 1911, FG .73, MP 3639, MR 19.9, AP 3368, AR 20.9, FG .91, ISIP 3123, NPI 1212, CLEAN 1206, SAND 75,000#. STAGE 4# RIH SET CBP @ 6665', PERF 5966-5968', 6SPF, 6032-6034', 3SPF, 6084-6086', 4SPF, 6150-6154', 4SPF. 42 HOLES. BROKE @ 2983, IR 19.8, IP 3200, ISIP 2152, FG .79, MP 3614, MR 20.9, AP 2818, AR 19.7, FG .83, ISIP 2394, NPI 242, CLEAN 1857 BBLS, SAND 125,000#. STAGE 5# . SET CBP @ 5174. PERF 5134-5144', 4SPF, 40 HOLES. BROKE @ 1808, IR 14, IP 3200, ISIP 2152, FG .72, MP 3064, MR 20.7, AP 2818, AR 19.7, FG .83, ISIP 2841, NPI 1380, CLEAN 402 BBLS, SAND 23,700#. TOTALS= CLEAN 5698 BBLS. SAND 373,800#. RIH SET CBP @ 5084'. RD CUTTERS & WEATHERFORD. ND FRAC VALVES, NU BOP. PU 37/8" BIT, SLIDING SLEEVE POBS. RIH W/ 23/8'. TAG CBP @ 5084. SWI 4:PM
11/13/2008	SUPERVISOR: JON MILES 7:00 - 15:00		8.00	COMP	31	H	P	DWC: \$30,700.00 CWC: \$293,336.00 MD: 7:AM HSM. OPEN WELL. RU DRILL EQUIP. BROKE CONV CIR. DRILL UP CBP @ 5084'. NO PRES INC.. RIH, TAG @ 5144. 30' SAND. DRILL DOWN TO 2# CBP @ 5174'. DRILL UP CBP. 50 PSI DIF INC. RIH, TAG @ 6154'. 30' SAND. DRILL DOWN TO 3# CBP @ 6184'. DRILL UP CBP. 100 PSI DIF INC. RIH, TAG @ 6632'. 30' SAND. DRILL DOWN TO 4# CBP @ 6662'. DRILL UP CBP. 100 PSI DIF INC. RIH, TAG @ 6808'. 30' SAND. DRILL DOWN TO 5# CBP @ 6838'. DRILL UP CBP. 100 PSI DIF INC. RIH, TAG @ 7090'. 30' SAND. CLEANOUT TO CBP @ 7120'. CIR WELL CLEAN. RD DRILL EQUIP. POOH LD EXCESS TBG. LAND TBG W/ 216 JTS IN WELL. EOT @ 6712.67. ND BOP, NU WELLHEAD. RU DELSCO. RIH RETIVE SLEEVE. RIH W/ PROTECTOR,PUT IN PLACE. 600 PSI ON CSG. OPEN TBG TO TANK. WELL FLOWING. TO WINDY TO RD RIG. TURN WELL OVER TO FLOWTESTERS. 5:PM
11/14/2008	SUPERVISOR: TIM FALCETTI 7:00 -			33	A			7 AM FLBK REPORT: CP 400#, TP 400#, 20/64" CK, 10 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 1255 BBLS LEFT TO RECOVER: 4443
11/15/2008	SUPERVISOR: TIM FALCETTI							

Wins No.: 92674		STATE 1021-31M		API No.: 4304739112
7:00	-	33	A	7 AM FLBK REPORT: CP 1000#, TP 850#, 20/64" CK, 25 BWPH, 1tspn SAND, - GAS TTL BBLS RECOVERED: 1870 BBLS LEFT TO RECOVER: 3828
<hr/>				
11/16/2008	SUPERVISOR: TIM FALCETTI			
7:00	-	33	A	7 AM FLBK REPORT: CP 2000#, TP 900#, 20/64" CK, 25 BWPH, - SAND, - GAS TTL BBLS RECOVERED: 2470 BBLS LEFT TO RECOVER: 3228
10:45	-	PROD		WELL TURNED TO SALES @ 1030 HRON 11/16/08 - FTP 800#, CP 1500#, CK 20/64", 495 MCFD, 456 BWPD
<hr/>				
11/17/2008	SUPERVISOR: TIM FALCETTI			
7:00	-	33	A	7 AM FLBK REPORT: CP 1250#, TP 700#, 20/64" CK, 16 BWPH, CLEAN SAND, 775 GAS TTL BBLS RECOVERED: 2888 BBLS LEFT TO RECOVER: 2810



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:  
ML-22794

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL

OIL WELL ☐

GAS WELL ☒

OTHER

8. WELL NAME and NUMBER:

STATE 1021-31M

2. NAME OF OPERATOR:

KERR MCGEE OIL & GAS ONSHORE LP

9. API NUMBER:

4304739112

3. ADDRESS OF OPERATOR:

1368 SOUTH 1200 EAST

CITY VERNAL

STATE UT

ZIP 84078

PHONE NUMBER:

(435) 781-7024

10. FIELD AND POOL, OR WILDCAT:

NATURAL BUTTES

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 576'FSL, 647'FWL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSW 31 10S 21E

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input checked="" type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE OPERATOR REQUESTS AUTHORIZATION TO RECOMPLETE THE SUBJECT WELL LOCATION. THE OPERATOR PROPOSES TO RECOMPLETE THE WASATCH FORMATION. THE OPERATOR REQUESTS AUTHORIZATION TO COMMINGLE THE NEWLY WASATCH FORMATION, ALONG WITH THE EXISTING MESAVERDE FORMATION.

PLEASE REFER TO THE ATTACHED RECOMPLETION PROCEDURE.

COPY SENT TO OPERATOR

Date: 11.25.2008

Initials: KS

NAME (PLEASE PRINT) SHEILA UPCHEGO

TITLE REGULATORY ANALYST

SIGNATURE

DATE 10/6/2008

(This space for State use only)

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE: 11/13/08

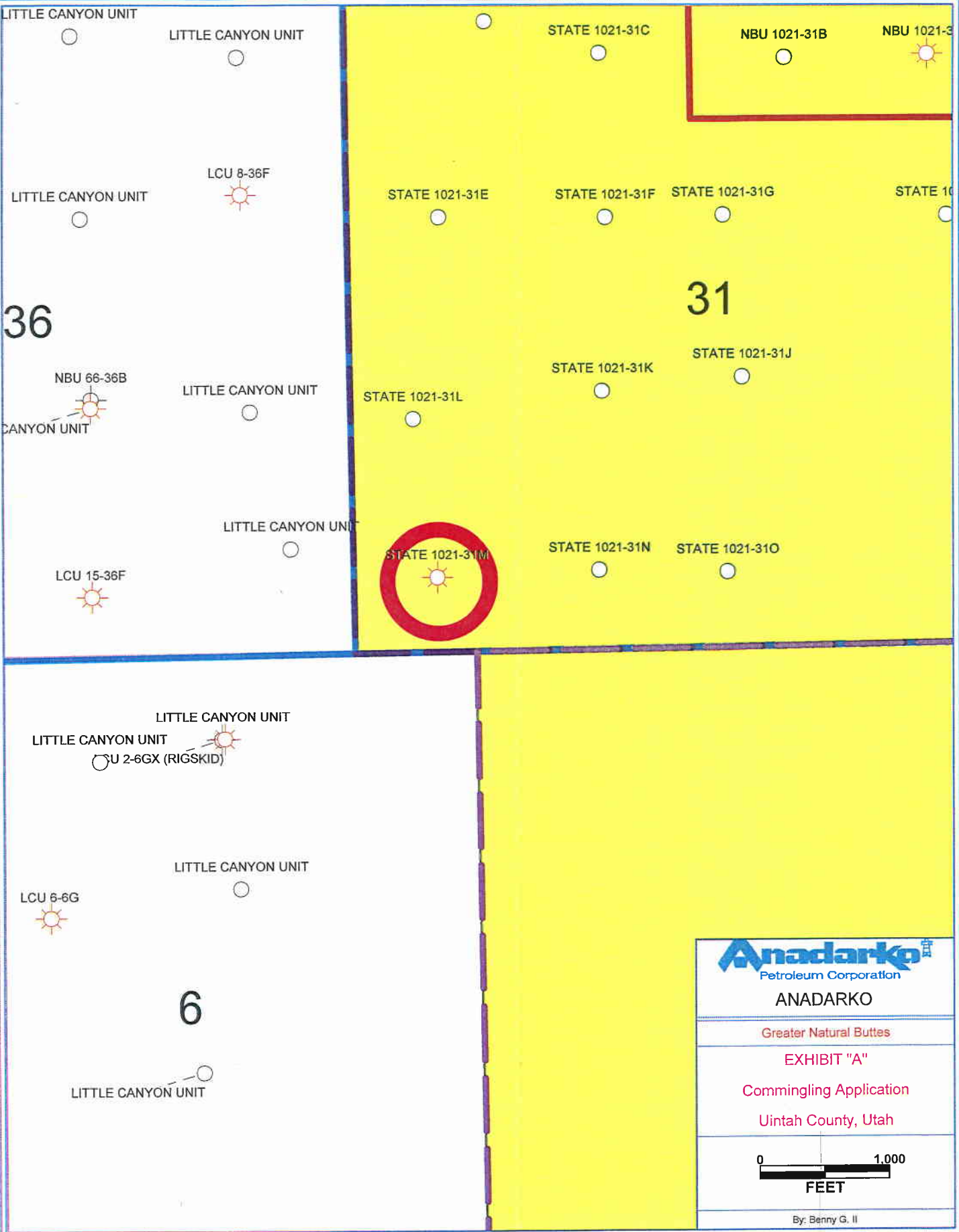
BY: [Signature]

(See instructions on Reverse Side)

RECEIVED

OCT 28 2008

DIV. OF OIL, GAS & MINING





Kerr-McGee Oil & Gas Onshore LP  
PO Box 173779  
DENVER, CO 80217-3779

October 23, 2008

Mr. Dustin Doucet  
Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

Re: Notice of Commingling  
State 1021-31M  
SWSW Sec. 31, T10S-R21E  
API Well No. 4304739112  
Uintah County, Utah

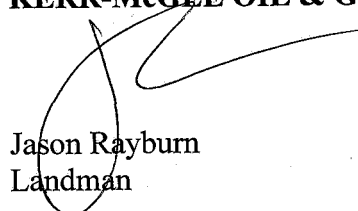
Dear Dustin,

In accordance with R649-3-22, "Completion Into Two or More Pools", please be advised that notices were sent to all contiguous owners on October 23, 2008 (copy of letter attached). Also, enclosed is an affidavit regarding the mailing of the notices together with the plat showing the location of the State 1021-31M well. XTO Energy, Inc. holds interest sections contiguous to the subject well section location.

Please let me know if anything further is required in order to approve the sundry previously submitted to you regarding the recompletion of the State 1021-31M. I have enclosed a copy of the sundry notice.

Thank you for your attention to our request.

Sincerely,  
**KERR-McGEE OIL & GAS ONSHORE LP**



Jason Rayburn  
Landman

enclosures

**RECEIVED**  
**OCT 28 2008**  
DIV. OF OIL, GAS & MINING

STATE OF UTAH )

) ss

COUNTY OF UTAH )

AFFIDAVIT

Jason Rayburn, of lawful age, and being first duly sworn upon oath, deposes and says:

He is a Landman of Kerr-McGee Oil & Gas Onshore LP, of Denver, Colorado. Kerr-McGee Oil & Gas Onshore LP is the operator of the following described well:

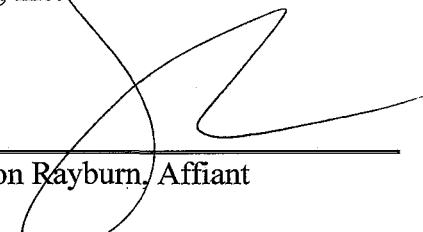
**FEDERAL 1021-31M  
576' FSL, 647' FWL (SWSW)  
SECTION 31, T10S- R21E  
UINTAH COUNTY, UTAH**

Kerr-McGee Oil & Gas Onshore LP and XTO Energy, Inc., are the only owners in the well and/or of all the contiguous oil and gas leases or drilling units overlying the pool.

On the 23rd day of October, 2008, he placed in the United States mail, with postage prepaid, a copy of the attached Application for Commingling into two or more pools (formations) in one wellbore for the subject well.

Said envelope which contained these instruments was addressed to the Utah Division of Oil, Gas & Mining and XTO Energy, Inc.

Further affiant saith not.

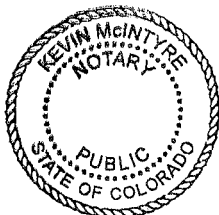
  
\_\_\_\_\_  
Jason Rayburn, Affiant

Subscribed and sworn before me this 23rd day of October, 2008.

  
\_\_\_\_\_  
Notary Public

My Commission Expires:

7-30-2011



My Commission Expires  
July 30, 2011





Kerr-McGee Oil & Gas Onshore LP  
PO Box 173779  
DENVER, CO 80217-3779

October 23, 2008

XTO Energy, Inc.  
810 Houston St.  
Fort Worth, TX 76102-6298

Attn: Mick Dow

Re: Notice of Commingling  
State 1021-31M  
Section 31: SWSW  
T10S-R21E  
Uintah County, Utah

Dear Mick:

Pursuant to DOGM Rule 649-3-22 "Completion into Two or More Pool," please find enclosed a copy of the sundry to be submitted to DOGM for approval.

Unless you have objection to the commingling plan, no action is required on your part. If you do wish to object to the commingling plan, comments should be directed to:


DOGM  
Attn: Dustin Doucet  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

Objections will be accepted up to 15 days after Kerr-McGee's application is filed with the Division (R649-3-22.3.1).

Should you have any questions or concerns, please contact the undersigned at 720-929-6262.

Sincerely,

**KERR-McGEE OIL & GAS ONSHORE LP**



Jason Rayburn  
Landman

enclosures

amended

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ FORM 8  
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG									
1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER _____									
b. TYPE OF WORK: NEW WELL <input type="checkbox"/> HORIZ. LATS. <input type="checkbox"/> DEEP-EN <input type="checkbox"/> RE-ENTRY <input type="checkbox"/> DIFF. RESVR <input checked="" type="checkbox"/> OTHER <b>RECOMPLETION</b>									
2. NAME OF OPERATOR: KERR MCGEE OIL & GAS ONSHORE LP									
3. ADDRESS OF OPERATOR: 1368 S 1200 E CITY VERNAL STATE UT ZIP 84078					PHONE NUMBER: (435) 781-7024				
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 576'FSL, 647'FWL LOT 4  AT TOP PRODUCING INTERVAL REPORTED BELOW:  AT TOTAL DEPTH:									
5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22794									
6. IF INDIAN, ALLOTTEE OR TRIBE NAME									
7. UNIT or CA AGREEMENT NAME									
8. WELL NAME and NUMBER: STATE 1021-31M									
9. API NUMBER: 4304739112									
10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES									
11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSW 31 10S 21E									
12. COUNTY: Uintah					13. STATE: UTAH				
14. DATE SPURRED: 10/30/2007		15. DATE T.D. REACHED: 11/27/2007		16. DATE COMPLETED: 11/16/2008		ABANDONED <input type="checkbox"/> READY TO PRODUCE <input checked="" type="checkbox"/>		17. ELEVATIONS (DF, RKB, RT, GL): 5360'GL	
18. TOTAL DEPTH: MD 9,120 TVD		19. PLUG BACK T.D.: MD 9,055 TVD		20. IF MULTIPLE COMPLETIONS, HOW MANY? *		21. DEPTH BRIDGE MD PLUG SET: TVD			
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each) N/A					23. WAS WELL CORED? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit analysis) WAS DST RUN? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit report) DIRECTIONAL SURVEY? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit copy)				
24. CASING AND LINER RECORD (Report all strings set in well)									
HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
20"	14" STL	36.7#		40		28			
12 1/4"	9 5/8 H-40	32.3# 36#		1,870		525			
7 7/8"	4 1/2 I-80	11.6#		9,120		1430			
25. TUBING RECORD									
SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	
2 3/8"	6,713								
26. PRODUCING INTERVALS					27. PERFORATION RECORD				
FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS	
(A) WASATCH	5,134	7,090			5,134 7,090	0.36	204	Open <input checked="" type="checkbox"/>	Squeezed <input type="checkbox"/>
(B)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.									
DEPTH INTERVAL		AMOUNT AND TYPE OF MATERIAL							
5134'-7090'		PMP 5698 BBLS SLICK H2O & 373,800# 20/40 SD							
29. ENCLOSED ATTACHMENTS:								30. WELL STATUS:	
<input type="checkbox"/> ELECTRICAL/MECHANICAL LOGS				<input type="checkbox"/> GEOLOGIC REPORT		<input type="checkbox"/> DST REPORT		<input type="checkbox"/> DIRECTIONAL SURVEY	
<input type="checkbox"/> SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION				<input type="checkbox"/> CORE ANALYSIS		<input type="checkbox"/> OTHER: _____		PROD	

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## 31. INITIAL PRODUCTION

## INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 11/16/2008		TEST DATE: 11/29/2008		HOURS TESTED: 24		TEST PRODUCTION RATES: →		OIL – BBL: 4		GAS – MCF: 1,433		WATER – BBL: 118		PROD. METHOD: FLOWING	
CHOKE SIZE: 20/64	TBG. PRESS. 434	CSG. PRESS. 816	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →		OIL – BBL: 4		GAS – MCF: 1,433		WATER – BBL: 118		INTERVAL STATUS: PROD	

## INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

## INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

## INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

## 32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

SOLD

## 33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
WASATCH MESAVERDE	4,146 7,268	7,175 9,125			

## 35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) SHEILA UPCHEGO

TITLE REGULATORY ANALYST

SIGNATURE

DATE 12/10/2008

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

\* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

\*\* ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

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DIV. OF OIL, GAS &amp; MINING

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 6

**ENTITY ACTION FORM**

Operator: KERR MCGEE OIL & GAS ONSHORE LP Operator Account Number: N 2995  
Address: 1368 SOUTH 1200 EAST  
city VERNAL  
state UT zip 84078 Phone Number: (435) 781-7024

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
Various	NBU REVISION						UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<i>E</i>	<i>Various</i>	<i>2900</i>	<i>3/13/2012</i>		<i>2/1/2012</i>		
Comments: MOVE THE ATTACHED WELLS INTO THE NATURAL BUTTES UNIT REVISION EFFECTIVE 02/01/2012. <i>72 wells</i> <i>5/31/2012</i>							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

**ACTION CODES:**

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

SHEILA WOPSOCK

Name (Please Print)

Signature

REGULATORY ANALYST

Title

5/30/2012

Date

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Div. of Oil, Gas & Mining

## Entity Action Form Attachment for wells moved into the Natural Buttes Unit Effective 02/01/2012.

API	Well Name	QTR/QTR	orig entity Section	TWNSHP	RANGE	Producing Intervals
4304737079	FEDERAL 920-25I	NESE	15431	25 9S	20E	WASATCH/MESAVERDE
4304737080	FEDERAL 920-25H	SENE	15761	25 9S	20E	WASATCH/MESAVERDE
4304737081	FEDERAL 920-25A	NENE	15553	25 9S	20E	WASATCH/MESAVERDE from MVRD
4304739098	STATE 1021-28M	SWSW	16499	28 10S	21E	WASATCH To WSMVD
4304737918	FEDERAL 1021-26L	NWSW	16390	26 10S	21E	MESAVERDE To WSMVD
4304737919	FEDERAL 1021-26N	SESW	16391	26 10S	21E	WASATCH/MESAVERDE
4304737916	FEDERAL 1021-25O	SWSE	16277	25 10S	21E	WASATCH/MESAVERDE
4304739112	STATE 1021-31M	SWSW	16454	31 10S	21E	WASATCH To WSMVD
4304739127	STATE 1021-32P	SESE	16471	32 10S	21E	WASATCH/MESAVERDE
4304739128	STATE 1021-32O	SWSE	17513	32 10S	21E	WASATCH/MESAVERDE
4304739131	STATE 1021-32L	NWSW	16902	32 10S	21E	WASATCH/MESAVERDE
4304739133	STATE 1021-32J	NWSE	17539	32 10S	21E	WASATCH/MESAVERDE
4304739134	STATE 1021-32I	NESE	16905	32 10S	21E	WSMVD
4304739135	STATE 1021-32H	SENE	17528	32 10S	21E	WASATCH/MESAVERDE
4304735714	FEDERAL 1022-29H	SENE	15147	29 10S	22E	WASATCH/MESAVERDE
4304735715	FEDERAL 1022-29F	SENW	15162	29 10S	22E	WASATCH/MESAVERDE
4304735716	FEDERAL 1022-29B	NWNE	14982	29 10S	22E	WASATCH/MESAVERDE
4304735737	FEDERAL 1022-29I	NESE	15001	29 10S	22E	WASATCH/MESAVERDE
4304735738	FEDERAL 1022-29D	NWNW	15016	29 10S	22E	MESAVERDE To WSMVD
4304734862	FEDERAL 31-10-22	SESE	13879	31 10S	22E	MESAVERDE To WSMVD
4304735173	FEDERAL 1022-31D	NWNW	14132	31 10S	22E	WASATCH/MESAVERDE
4304736492	FEDERAL 1022-31N	SESW	16255	31 10S	22E	WASATCH/MESAVERDE
4304736493	FEDERAL 1022-31I	NESE	15089	31 10S	22E	WASATCH/MESAVERDE
4304736494	FEDERAL 1022-31G	SWNE	15075	31 10S	22E	WASATCH/MESAVERDE
4304736495	FEDERAL 1022-31F	SENE	15230	31 10S	22E	WASATCH/MESAVERDE
4304736574	FEDERAL 1022-31C	NENW	15090	31 10S	22E	WASATCH/MESAVERDE
4304736575	FEDERAL 1022-31J	NWSE	15214	31 10S	22E	WASATCH/MESAVERDE
4304736576	FEDERAL 1022-31L	NWSW	16376	31 10S	22E	WASATCH/MESAVERDE
4304734317	STATE 1-32	NESW	13419	32 10S	22E	WASATCH/MESAVERDE
4304734831	STATE 2-32	SESW	13842	32 10S	22E	MESAVERDE To WSMVD
4304734832	STATE 3-32	NWSW	13844	32 10S	22E	WASATCH/MESAVERDE
4304735095	STATE 1022-32J	NWSE	14097	32 10S	22E	WSMVD
4304735096	STATE 1022-32A	NENE	13914	32 10S	22E	WASATCH/MESAVERDE
4304735186	STATE 1022-32P	SESE	14131	32 10S	22E	MESAVERDE To WSMVD
4304735315	STATE 1022-32O	SWSE	14114	32 10S	22E	WASATCH/MESAVERDE
4304735647	STATE 1022-32H	SENE	14348	32 10S	22E	MESAVERDE To WSMVD
4304736413	STATE 1021-36O	SWSE	15619	36 10S	21E	WASATCH/MESAVERDE
*4304738157 WELL BELONGS TO QEP ENERGY CORP "GH 8-20-8-21" PERMIT NOT APPROVED						
4304734839	FEDERAL 1022-15F	SENW	14618	15 10S	22E	WASATCH/MESAVERDE
4304736414	STATE 1021-36J	NWSE	15651	36 10S	21E	WASATCH/MESAVERDE
4304738152	STATE 1021-36L	NWSW	16012	36 10S	21E	WASATCH/MESAVERDE
4304735440	FEDERAL 1022-15J	NWSE	14617	15 10S	22E	WASATCH/MESAVERDE
4304736415	STATE 1021-36I	NESE	15684	36 10S	21E	WASATCH/MESAVERDE
4304738845	STATE 1021-36D	NWNW	16455	36 10S	21E	WASATCH/MESAVERDE



4304750096	FEDERAL 1022-27H	SENE	17626	27 10S	22E	WASATCH/MESAVERDE
4304736416	STATE 1021-36H	SENE	15335	36 10S	21E	WASATCH/MESAVERDE
4304738846	STATE 1021-36E	SWNW	16523	36 10S	21E	WASATCH/MESAVERDE
4304735676	FEDERAL 1022-28L	NWSW	15110	28 10S	22E	WASATCH/MESAVERDE
4304736417	STATE 1021-36G	SWNE	15297	36 10S	21E	WASATCH/MESAVERDE
4304738847	STATE 1021-36F	SENW	16394	36 10S	21E	WASATCH/MESAVERDE
4304735713	FEDERAL 1022-28N	SESW	15145	28 10S	22E	WASATCH/MESAVERDE
4304736418	STATE 1021-36B	NWNE	14953	36 10S	21E	WASATCH/MESAVERDE
4304738848	STATE 1021-36N	SESW	16359	36 10S	21E	WASATCH/MESAVERDE
4304735735	FEDERAL 1022-28O	SWSE	15285	28 10S	22E	WASATCH/MESAVERDE from MURD
4304736419	STATE 1021-36A	NENE	15035	36 10S	21E	WASATCH/MESAVERDE
4304738849	STATE 1021-36K	NESW	16084	36 10S	21E	WASATCH/MESAVERDE
4304735736	FEDERAL 1022-28M	SWSW	15286	28 10S	22E	WASATCH/MESAVERDE
4304736420	STATE 1021-36P	SESE	15372	36 10S	21E	WASATCH/MESAVERDE
4304738850	STATE 1021-36C	NENW	16396	36 10S	21E	WASATCH/MESAVERDE
4304734861	FEDERAL 29-10-22	SESE	14006	29 10S	22E	MESAVERDE TO WSMVD
4304735577	FEDERAL 1022-33O	SWSE	15080	33 10S	22E	WASATCH/MESAVERDE
4304735739	FEDERAL 1022-33E	SWNW	15193	33 10S	22E	WASATCH/MESAVERDE
4304735740	FEDERAL 1022-33M	SWSW	15373	33 10S	22E	WASATCH/MESAVERDE
4304735741	FEDERAL 1022-33L	NWSW	15511	33 10S	22E	WASATCH/MESAVERDE
4304735742	FEDERAL 1022-33G	SWNE	15404	33 10S	22E	WASATCH/MESAVERDE from MURD
4304735743	FEDERAL 1022-33C	NENW	15405	33 10S	22E	WASATCH/MESAVERDE
4304735744	FEDERAL 1022-33A	NENE	15539	33 10S	22E	WASATCH/MESAVERDE
4304737105	FEDERAL 1022-33D	NWNW	16502	33 10S	22E	WASATCH/MESAVERDE
4304737106	FEDERAL 1022-33F	SENW	16560	33 10S	22E	WASATCH/MESAVERDE from WSTC
4304737107	FEDERAL 1022-33K	NESW	16124	33 10S	22E	WASATCH/MESAVERDE
4304737109	FEDERAL 1022-33N	SESW	16126	33 10S	22E	WASATCH/MESAVERDE
4304737110	FEDERAL 1022-33B	NWNE	16561	33 10S	22E	WASATCH/MESAVERDE
4304735810	STATE 1021-36E	SWNW	14295	36 10S	21E	WASATCH/MESAVERDE